

19990820.qrp v01_n554.qrl.990820

Date: Fri, 20 Aug 1999 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1554

QRP-L Digest 1554

Topics covered in this issue include:

- 1) [48014] QRP-L digest 1553 (-Reply)
by "William Nichols" <william.nichols@epa.state.oh.us>
- 2) [48015] DSW-20 First Contact
by Ed Kessler <edkess@epix.net>
- 3) [48016] RE: Altoids Box
by Brad Mugleston <bmug@gwl.com>
- 4) [48017] 2N2/40 Contact with K2UD
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 5) [48018] Looking for V cutoff circuit
by Tom M <tjmc@erols.com>
- 6) [48019] Re: 40 M vertical vs inverted vee
by Phil Wheeler <w7ox@mindspring.com>
- 7) [48020] HW-7 Sidetone Level Control
by w2xn@juno.com
- 8) [48021] Re: Command Sets
by Thomas Upton <stjohn@ocsnet.net>
- 9) [48022] A dark and stormy night (more 2N2/40 adventures)
by K2UD@aol.com
- 10) [48023] Re: Feedline Measurements- Computer Ribbon Line
by "George T. Baker" <w5yr@swbell.net>
- 11) [48024] WTB: Ten Tec PS boards
by "Tim Cook" <timcook@erinet.com>
- 12) [48025] Horizontal Delta Loop at 40', Good All-Around Performer
by "KEVIN F GLYNN" <KFGLYNN@prodigy.net>
- 13) [48026] FS: OHR100A/20M plus neat stuff
by Mark S Adams <msadams@acsu.buffalo.edu>
- 14) [48027] Re: Feedline Measurements- Computer Ribbon Line
by Bob Edwards <w4ed@gis.net>
- 15) [48028] WTB: Audio Filter
by "Tim Cook" <timcook@erinet.com>
- 16) [48029] RE: Amplifier Module THANKS !!
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 17) [48030] Re: Feedline Measurements- Computer Ribbon Line
by "John Moriarity" <k6qq@hdo.net>
- 18) [48031] No Radial Vertical Antenna Question...
by Bruce Hopkins - KL7H <kl7h@arrl.net>
- 19) [48032] Solar Update 18Aug

- by "Paul Harden, NA5N" <na5n@rt66.com>
- 20) [48033] Need Help For a Fellow Ham!!!!
by "Randy Jouett" <rules@bellsouth.net>
- 21) [48034] Re: No Radial Vertical Antenna Question...
by PUNISHER3@aol.com
- 22) [48035] ARCTIME: GROUP BUY UPDATE #2
by "Rod, NØRC" <rwc@frii.com>
- 23) [48036] Re: Need Help For a Fellow Ham!!!!
by RangerSF5@aol.com
- 24) [48037] Anyone in Lewiston, ID? Newbie needs help
by Jim <w7ls@blarg.net>
- 25) [48038] Argo 556 in Mint Condx Wanted
by "R. E. Weston" <rossew@juno.com>
- 26) [48039] OT Special Events
by "Charles Hamel" <cdhamel@pdq.net>
- 27) [48040] Website Update
by "Dave Fifield" <fifield@pacbell.net>
- 28) [48041] new RS Atomic Clock
by Michael Bower <bowerm@ix.netcom.com>
- 29) [48042] Re: OT Special Events
by "Walter Dufrain" <walter@inlink.com>
- 30) [48043] Re: OT Special Events
by Stanley Wilson <microres@crl.com>
- 31) [48044] 3B8FG Mauritius
by charles k brown <n4so@juno.com>
- 32) [48045] Re: Command Sets
by Thomas Upton <stjohn@ocsnet.net>
- 33) [48046] Thanks
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 34) [48047] ARCTIME: GROUP BUY UPDATE #3
by "Rod, NØRC" <rwc@frii.com>
- 35) [48048] RE: Need Help For a Fellow Ham!!!!
by "Mont Pierce, KM6WT" <montp@synacom.com>
- 36) [48049] Latest:40 mtr fox hunt Teams
by Bruce Rattray <rattray@gpfn.sk.ca>
- 37) [48050] 811s
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 38) [48051] Re: Feedline Measurements- Computer Ribbon Line
by Ed Loranger <we6w@qsl.net>
- 39) [48052] NJ QSO Party - QRP: More
by Ken Newman <N2CQ@citnet.com>
- 40) [48053] Re: Need Help For a Fellow Ham!!!!
by "Randy Jouett" <rules@bellsouth.net>
- 41) [48054] Also worked K8IQK's 2N2/40!
by "Steven Weber" <kd1jv@moose.ncia.net>
- 42) [48055] Re: Solar Update 18Aug
by "Steven Weber" <kd1jv@moose.ncia.net>
- 43) [48056] CQ David Reid GØBZF

by "Armin Hachmer" <armin@muskoka.com>
44) [48057] QRPp - QRO contact
by Allan G Taylor <k7gt@arrl.net>
45) [48058] Re: Need Help For a Fellow Ham!!!!
by "Randy Jouett" <rules@bellsouth.net>
46) [48059] Milliwatts coast-to-coast
by Chris Cartwright Sr <ccart@phideaux.com>
47) [48060] NJ QSO Party - QRP: Details
by Ken Newman <N2CQ@citnet.com>
48) [48061] Re: ARCTIME: GROUP BUY UPDATE #3
by Bruce Muscolino <w6toy@erols.com>
49) [48062] Re: 811s
by Charles Kadesch <chas@digizen.net>
50) [48063] Wanted: Command Sets Book
by George F Franklin <w0av@juno.com>
51) [48064] LONGWIRE Ant Gone
by N10DL@aol.com
52) [48065] Re: ARCTIME: GROUP BUY UPDATE #3
by Monte Stark <ku7y@dri.edu>
53) [48066] Re: Where to find some MRF904
by "Radman" <radman@best.com>
54) [48067] Re: Solar Update 18Aug
by Monte Stark <ku7y@dri.edu>
55) [48068] RE: ARCTIME: GROUP BUY UPDATE #3
by "Ed Tanton" <n4xy@att.net>
56) [48069] Re: Where to find some MRF904
by Gary L Surrency <gsurrency@juno.com>
57) [48070] Re: ARCTIME: GROUP BUY UPDATE #3
by Bruce Grubbs <bog@flagstaff.az.us>
58) [48071] QSO Party This Sunday
by "Marshall Emm" <mgemm@mtechnologies.com>
59) [48072] Why do we need atomic time accuracy???
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
60) [48073] RE: Why do we need atomic time accuracy???
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
61) [48074] RE: ARCTIME: GROUP BUY UPDATE #3
by "Michael A. Gipe" <mgipe@reliablemeters.com>
62) [48075] Clock Accuracy
by Bill Jones <kd7s@psnw.com>
63) [48076] Re: ARCTIME: GROUP BUY UPDATE #3
by Rod Cercone <rwc@frii.com>
64) [48077] Mike Gipe! Please e-mail me
by Jim <w7ls@blarg.net>
65) [48078] Re: ARCTIME: GROUP BUY UPDATE #3
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
66) [48079] RE: Clock Accuracy
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
67) [48080] Re: Clock Accuracy

by "Mike Yetsko" <myetsko@insydesw.com>
68) [48081] Re: Why do we need atomic time accuracy???
by "Bob Duckworth" <wb4mnf@atl.org>
69) [48082] Re: LONGWIRE Ant Gone
by "George T. Baker" <w5yr@swbell.net>
70) [48083] Re: Why do we need atomic time accuracy???
by Karl.Kanalz@optelinc.com
71) [48084] SST: shifting the VX0 up; narrow filtering
by Wayne Burdick <n6kr@elecraft.com>
72) [48085] LONGWIRE
by N10DL@aol.com
73) [48086] Surplus Equipment Conversion(s) (Long List)
by Karl.Kanalz@optelinc.com
74) [48087] Does this work? (Test).
by "Randy Jouett" <rules@bellsouth.net>
75) [48088] Re: No Radial Vertical Antenna Question...
by Jim Durkin <jimdurkin@yahoo.com>
76) [48089] MRF904 / J309 from TechAmerica
by charles k brown <n4so@juno.com>
77) [48090] Q-dope substitute - an update
by n5ib@juno.com
78) [48091] Re: Does this work? (Test).
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
79) [48092] Re: ARCTIME: GROUP BUY UPDATE #3
by "Jerry Henshaw" <jhenshaw@bellsouth.net>
80) [48093] Re: Why do we need atomic time accuracy???
by Tim Ahrens <tahrens@hilconet.com>
81) [48094] Re: ARCTIME: GROUP BUY UPDATE #3
by Bruce Muscolino <w6toy@erols.com>
82) [48095] Re: Milliwatts coast-to-coast
by Allan G Taylor <k7gt@arrl.net>
83) [48096] Latest:40 mtr fox hunt Teams
by Bruce Rattray <rattray@gpfn.sk.ca>
84) [48097] MFJ mods & newsletter
by David Kidd <ka7ozo@pacifier.com>
85) [48098] Argo 509 problem....from George , N2JNZ
by osier <osier@northnet.org>
86) [48099] OT but interesting
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
87) [48100] Re: ARCTIME: GROUP BUY UPDATE #3
by mwattcpa@earthlink.net (Marty Watt)

Date: Thu, 19 Aug 1999 19:07:35 -0400
From: "William Nichols" <william.nichols@epa.state.oh.us>
To: <qrp-l@Lehigh.EDU>
Subject: [48014] QRP-L digest 1553 (-Reply)

Message-ID: <s7bc561d.006@mail2.epa.state.oh.us>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

I'll be out of the office from Thursday 8/19 through Wednesday 8/24. If =
you have an urgent situation or need to speak to someone in the Mobile =
Sources Section, please call (614) 644-3059. Thank you.

Date: Thu, 19 Aug 1999 19:09:13 -0400
From: Ed Kessler <edkess@epix.net>
To: qrp-1@Lehigh.EDU
Subject: [48015] DSW-20 First Contact
Message-ID: <37BC8E99.1CAE5D19@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Another short note:

After much trying, competing with band condx and QRO signals, I managed
to work EA4EJT with my DSW-20. Power out was just shy of 2 watts.

So its working!

Anyway, EA4EJT, Marietta, said something interesting and helpful about
QRP (He was operating at 80 watts and then turned down to 5 watts.)

Here's his quote: "QRP signals only seem weak at the beginning until my
ear gets used to it."

Marietta is definitely a good OP and I give him great credit for digging
my weak signal out of the noise. He said I was RST 319, but was
receiving
solid copy. ;-)

(Q)uick (R)eliable (P)ower :-)

73s,
Ed, AA3SJ

Date: Thu, 19 Aug 1999 17:13:22 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'K2UD@aol.com'" <K2UD@aol.com>
Cc: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [48016] RE: Altoids Box
Message-ID: <01BEEA66.25852880.bmug@gw1.com>

Didn't think about the readout - can't live with out one of those. Will it be FULL color or only 32 bit?

Can't believe it. My first rig had pencil marks on it to keep me with in my band limits. I may be OLD but I'm a relatively NEW ham - my first rig was/is an OHR Explorer II - I had it set to go from around 1.102 up with the pencil mark at 1.145 or so.

72's

de KI00T, Brad

-----Original Message-----

From: K2UD@aol.com [SMTP:K2UD@aol.com]
Sent: Wednesday, August 18, 1999 3:14 PM
To: bmug@gw1.com
Cc: qrp-1@lehigh.edu
Subject: Re: Altoids Box

Ditto here, my wife gave me one of the "Tiny Tins" on Tuesday. I'll try to cram a DDS VFO all band transceiver with DSP into one of these. SSB/CW, 100W with a pot to turn it down to QRP! Fitting the readout into it will be the challenge.

72

Howard Kraus, K2UD

Date: Thu, 19 Aug 1999 19:52:56 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: qrp-1@lehigh.edu
Subject: [48017] 2N2/40 Contact with K2UD
Message-ID: <3.0.1.32.19990819195256.00703b00@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang.....I guess the title says it all. Just had a somewhat successful contact with Howard, K2UD and his 2N2/40 rig

number 2. It was that rig's first contact at 2330Z on 7.042 MHz. Signals were 549, but with pretty strong QRN, and then the band changed after about 10 minutes and we had to quit.

But, what a thrill to finally work a 2N2/40! Thanks Howard, and my very hardest congratulations for building two rigs, and making them both work. Quite an undertaking!

Jim, K8IQY

Date: Thu, 19 Aug 1999 19:53:58 -0400
From: Tom M <tjmc@erols.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [48018] Looking for V cutoff circuit
Message-ID: <37BC9916.249D3A2D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hopefully someone can lead me in the right direction....

I'm looking for a circuit that will cut off power when voltage drops to a set level.

Of course, I want it small, cheap and easy to build... but really any will do.

Voltage is battery (12v) and current is max of 5amps.

Tnx
Tom aa2vk

Date: Thu, 19 Aug 1999 16:57:41 -0700
From: Phil Wheeler <w7ox@mindspring.com>
To: w1rfi@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [48019] Re: 40 M vertical vs inverted vee
Message-ID: <37BC99F5.80F407C8@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed,

Good timing: I have the DK9SQ mast and loop sitting in my garage (as of yesterday). Now I need time to figure them out!

Phil

"Ed Hare, W1RFI" wrote:

>
> For a comparison between a 40 meter 33 foot vertical with two radials
> and a 40 M inverted vee at 33 feet (not coincidentally, the height of
> the DK9SQ fiberglass mast...), see:
>
> <http://www.arrl.org/~ehare/qrp/vertiinv.htm>
>
> If any of you don't have Web access, email me and I will mail it to you.
>
> 73,
> Ed Hare, W1RFI

Date: Thu, 19 Aug 1999 20:42:58 -0400
From: w2xn@juno.com
To: qrp-l@lehigh.edu
Subject: [48020] HW-7 Sidetone Level Control
Message-ID: <19990819.204302.-863059.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

While looking through an older ham book I found a circuit modification for the HW-7 for a sidetone level control. The modification is quite simple. Anyone interested, I can scan it and send it to you.

Fred W2XN (w2xn@arrl.net)
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES AR QRP #233
QRP-L #1728 NJ-QRP #197
My Web Page: <http://w2xn.homepage.com/>

Get the Internet just the way you want it.
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 19 Aug 1999 17:54:29 -0700
From: Thomas Upton <stjohn@ocsnet.net>
To: qrp-l@lehigh.edu
Subject: [48021] Re: Command Sets
Message-ID: <37BCA744.6EAB45E4@ocsnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have the book "Command Sets" by the Editors of CQ, the Radio Amateurs Journal, published by Cowan Publishing Corp., (c) 1957.

I probably bought it at Columbia Electronics Inc. in L.A. in 1966, for \$1.50.

In the spirit of Ham Radio, will gladly *give* it to the first ham who will offer to pay the postage. I know, there is probably a little cash to be made here. I will just have to trust that the person who gets it will not turn right around and sell it to make the money.

Flak Suit ready by the side of the bed. Back into my cave.

Tom Upton AD6N

Date: Thu, 19 Aug 1999 20:55:21 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Cc: jokortge@cwix.com
Subject: [48022] A dark and stormy night (more 2N2/40 adventures)
Message-ID: <7bcc6515.24ee0179@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well 40M was not kind to those who ventured tonight, so much QRN, and the bane of QRPers, QRM from the big boys. However, I was able to squeak through and pull out no less than Jim, K8IQY for another 2N2/40 to 2N2/40 QSO. This was with rig #2 at my end. So the twins are on equal footing now, although I still can't figure out why my keyer kept saying da-dah over and over again. Hmmm, I'll have to ask my soldering iron who the real father is!

2W on 40 can sometimes be challenging, other times it can sound like a KW.

But the QRN we've had recently makes me glad for the RF gain and VBW filtering that Jim designed into this rig. It was a tough go, and we were just about lost for a while, but the "kids" hung in there. As much as it was a thrill to work the rigs creator, it must have also been special for Jim to be able to listen to one of his flock.

OK Pres, looks like certificate #9 is sewn up now, I'll put those pix in a large envelope for you. These will be the "viewing room" shots, with more to follow after the christening. Need to find some fancier clothes for the twins, you know!

72 all, TNX to Jim agn,

Howard Kraus, K2UD

"Just build it!"

Date: Thu, 19 Aug 1999 20:11:29 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [48023] Re: Feedline Measurements- Computer Ribbon Line
Message-ID: <37BCAB41.1033D8FD@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed, what is it about the ribbon line that accounts for its wide swings in measured capacitance and Zo with frequency? Insulation? Construction? What? Enquiring minds, etc. ;^)

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Date: Thu, 19 Aug 1999 21:50:52 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "[Ten Tec] - Reflector" <tentec@contesting.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [48024] WTB: Ten Tec PS boards
Message-ID: <015401beeeaae\$6fc8eb00\$907f5acf@timcook.erinet.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Looking for the regulator and pass transistor board for the model 255 power supply.

please email direct ..

Thanks

Tim

NZ8J

Date: Thu, 19 Aug 1999 22:22:46 -0400
From: "KEVIN F GLYNN" <KFGLYNN@prodigy.net>
To: <qrp-1@Lehigh.EDU>
Subject: [48025] Horizontal Delta Loop at 40', Good All-Around Performer
Message-ID: <002f01beeab2\$e57e71e0\$025b9cd1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

For Field Day this year I wanted a very good all-around performer from 80M through 10M. I modelled a bunch of antennas using EZNEC 2.0 and came up with a horizontal delta loop at 40', fed in the center of a horizontal wire opposite the apex.

Radiation patterns vs. gain seemed to be the best compromise among the antennas I modelled. I don't have the data now; it's backed-up on a DAT tape that I have to eventually get onto a CD...

I made this baby the week before FD with 14 ga. stranded wire from Home Depot and LL from the Wireman. Needless to say I couldn't get the wire in the amount of space I needed and glad I took my trustee 40M dipole. Up it went and I had a lot of fun running 1B-Battery ENY.

I want to put this antenna up at Cannonball Park in Brooklyn one day before the frost comes. Will let you know how it turns out. I think it was 270' of wire.

72 Kevin N2T0

Brooklyn, NYC
kfglynn@prodigy.net

Date: Thu, 19 Aug 1999 22:33:22 -0400 (EDT)
From: Mark S Adams <msadams@acsu.buffalo.edu>
To: QRP Fanatics <qrp-1@lehigh.edu>
Subject: [48026] FS: OHR100A/20M plus neat stuff
Message-ID: <Pine.GS0.4.05.9908192213380.22851-1000000@xena.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

I am offering for the sale the following nice gear.

#1-- OHR 100A, built for 20M, for \$95. This price includes shipping to conus. The rig is in first class shape electrically and mechanically, 100% stock, and has been used very little. Power cord and documentation included.

#2-- Bencher RJ Key (black base). It is 99+%. Also used very little. A good buy at \$40 shipped.

#3-- SupraExpress 33.6K modem. Works FB. My new computer has a new modem. Yours for \$25 shipped.

#4-- Palomar Engineers RX Noise Bridge. Like new, \$30.

I am selling all to finance my bicycle mobile plans.

Items 2,3 and 4 include original boxes and documentation.

72, Mark N2VPK Member of the Buffalo QRP Connection

Date: Thu, 19 Aug 1999 22:50:08 -0400
From: Bob Edwards <w4ed@gis.net>
To: w5yr@swbell.net, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [48027] Re: Feedline Measurements- Computer Ribbon Line
Message-ID: <37BCC260.C51B8E61@gis.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"George T. Baker" wrote:

>.. what is it about the ribbon line that accounts for its wide swings in
> measured capacitance and Zo with frequency? Insulation? Construction?

Same problem as in speaker wire or zip cord. None of these were meant
(read designed/marketed) to be used at RF, so the QC dept checks Zo
at DC, maybe... Further more, if one is found to meet initial requirements,
there is no guarantee the specs will be met over time, weather, etc.
So to directly answer your question; yes, yes.

That's why we, as experimenters, have fun checking items at RF that
that just might work, even though the manufacturing process & materials &
QC were targeted for widely different applications (ie, audio, 110VAC, DC).

Every once in a while a gem is found, ie, low loss and ZO at freq of interest.

I checked then discarded a cheap TV rotor ribbon cable, it had heavy losses,
high capacitance, low Q for a 1/4 wv Q-section. But did keep a roll of
#18 speaker wire, 112 ohms, relatively low loss at HF. For 1/4 wv Q-sections,
it was not too bad on 145 mhz.

--

Bob 72/73	/
email, w4ed@amsat.org	/
http://www.qsl.net/w4ed	/K2 \
nr Atlanta, GA EM73wt	/ / 21 \
	/_ /_ __ __\
~~~~~	[ \--===== -/

-----  
Date: Thu, 19 Aug 1999 22:58:09 -0400  
From: "Tim Cook" <timcook@erinet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48028] WTB: Audio Filter  
Message-ID: <016c01beeab7\$d5cf4d00\$907f5acf@timcook.erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

With all the hoopla about DSP filters, there must be lots of analog Audio  
Filters laying around looking for a good home... I am looking for a tunable  
audio filter that can adjust the upper and lower limits separately and a  
notch. Like the heathkit 1418 (I think that's the number), Datong FL-2 , MSC

"smart filter", or something similar. Let me know what you have, the condition, and the price shipped to 45324 (near Dayton, Ohio)

Thanks

Tim

NZ8J

-----  
Date: Thu, 19 Aug 1999 23:31:59 -0400  
From: "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>  
To: "qrp-L" <qrp-l@LeHigh.edu>  
Subject: [48029] RE: Amplifier Module THANKS !!  
Message-ID: <005201beeabc\$909fde20\$04000a0a@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

YES ! Once again got lots of help, ideas and guidance here at wonderful QRP-L. The CATV amplifier module delivers a nice 1 watt... while eating up a lot of current... VERY LINEAR... and has lots of gain. Can't tell how much gain because I don't have the appropriate instruments...BUT, one can "feel" the gain HI HI. I tried to lower the voltage, but there seems to be some sort of "built in " cut out that FREEZES the module to 0 gain at around 20 volts or a little less. It does need a 28 volt supply ! It does work as an SSB amplifier... and when fed with 50 MHz , it worked nice, as well as with 144 MHz... SO... I think I have use for the 4 of them ! All this is done when propagation conditions on both 40 and 20 meters here in Havana are really awful !  
Arnie Coro C02KK  
Host of Dxers Unlimited  
Radio Habana Cuba  
e-mail:arnie@radiohc.org  
e-mail:inforhc@mail.infocom.etecsa.cu  
Postal address:  
Prof. Arnaldo Coro Antich  
La Torre no.127 entre 35 y 37

Nuevo Vedado, Plaza  
Ciudad Habana , 10600  
CUBA

-----  
Date: Thu, 19 Aug 1999 20:36:04 -0700  
From: "John Moriarity" <k6qq@hdo.net>  
To: <w5yr@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48030] Re: Feedline Measurements- Computer Ribbon Line  
Message-ID: <02eb01beeabd\$2281c100\$03424cd1@k6qq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: George T. Baker <w5yr@swbell.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Thursday, August 19, 1999 6:11 PM  
Subject: Re: Feedline Measurements- Computer Ribbon Line

> Ed, what is it about the ribbon line that accounts for its  
wide swings in  
> measured capacitance and Zo with frequency? Insulation?  
Construction?  
> What? Enquiring minds, etc. ;^)

I've been thinking the same thing. I can't find any  
dielectric material in my reference books that changes  
that rapidly with frequency. Maybe it's time for a  
reality check??

Regardless of the outcome, thanks to Ed for taking the  
time to measure and then post his results!

72,

John, K6QQ

Alturas, CA, at the corner of 299 & 395.

-----  
Date: Thu, 19 Aug 1999 20:43:50 -0800  
From: Bruce Hopkins - KL7H <kl7h@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [48031] No Radial Vertical Antenna Question...  
Message-ID: <v03007800b3e28a9c7738@[208.161.165.131]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

I have been asked to help out some new hams in the area that think they are having antenna problems... Once I check it tomorrow, I will know if there are any obvious opens shorts or high SWR problems... Now my question...

It is my understanding that they are running the R-7000 no radial antenna... What is the collective wisdom on this antenna and type of antenna ??? I admit to being skeptical of any vertical without radials save for a vertical dipole... Can this antenna be improved with the addition of radials ??? Do we have any do's and don'ts from any on the list using this type of antenna ???

Thanks in advance for any input on this subject... Trying to get my ducks in a row before tomorrow night... Take care and have fun...

72 / 73 / oo's - Bruce - KL7H  
Fairbanks, Alaska

"Alaska QRP Club" - Web Site: <http://home.gci.net/~bhopkins/akqrp>  
- 10 Meter Beacon: 28.282.28+/- KL7AQC / BCN

-----  
Date: Thu, 19 Aug 1999 23:16:30 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-l@lehigh.edu  
Subject: [48032] Solar Update 18Aug  
Message-ID: <Pine.SUN.4.10.9908192257560.11852-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII



Gang,

The sun has been fairly quiet the past two weeks in terms of only small C-class flares ... BUT, it has been active in terms of coronal streams. This is particle radiation escaping the sun through "cracks" or fissures on the sun's surface which rides along with the solar wind to eventually hit the earth. The outflow from these coronal holes can also increase the speed of the solar wind, and that's exactly what has been happening the past week. Solar wind is running relatively high at 700-800 km/sec. These "coronal streams" of particles are hitting our magnetic field at high speed, keeping our magnetic field in a disturbed state. The K-index has been in the red many times past few days ( $K \geq 5$ ) which loosely means a bunch of QRN on the lower bands, notably on 40M. There is no way of predicting when these coronal holes will occur or subside. However, NOAA is forecasting a decline over the next three days.

So this is why the bands are particularly noisy right now, although a couple of 2N2/40's made it through (congrats, BTW).

The solar flux is around 130 ... nothing to brag about. But we are at the minimum of this solar cycle, so the solar flux should begin climbing next few days to peak out in 14 days or so, perhaps with a solar flux above 200. This will certainly mean 10 and 15M will be open.

Three weeks ago, a region of the sun produced several large flares, including an X-class. This same region is just now rotating back into view, meaning if it is still an active region, it could have the potential of producing some large flares this time around, and perhaps this time it will be in position to effect the earth. It will be "geoeffective" (that is, where it's effects will smack the earth nearly direct) in about 5 days until 10 days from now. That would be the window to watch for large flares from this region, and if occuring, it could cause some strong geomagnetic storming.

As for the current QRN ... we'll just have to ride it out. It's not from a flare event, that tends to have a sudden onset and decay, but from coronal streams, that can often persist for days. The intensity of the noise can vary greatly from hour to hour, so don't let a noisy band discourage you from trying again later, using a high band during the day, or just toughing it out.

Paul NA5N

-----

Date: Fri, 20 Aug 1999 00:23:48 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: <Qrp-l@Lehigh.EDU>  
Subject: [48033] Need Help For a Fellow Ham!!!!  
Message-ID: <001701beeacc\$30ab6740\$d166d6d1@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

I'm looking for any hams in Wichita, KS. that can help me with a small problem. My RF design Elmer, Marty, WB0ESV, wants to get on the Internet (specifically, here on QRP-L), but he doesn't know all that much about computers. I'm looking for someone here on QRP-L that can go over to his house, install Juno, Net Zero, or some other freebie on his computer, showing him how to send e-mail and browse the web, so that we can all take advantage of his Sage advice.

First and foremost, Marty is a brain and a half when it comes to RF design. If you attended AtlantiCon and saw the 50 Mhz circuit that Dave Benson (NN1G) spoke of and displayed, then you were looking at Marty's work. He has 40 years in RF design (R&D for Schlumberger), has written for all the ham rags, and is a whiz in wood & metal working!!

On top of all this, he's one of the most decent persons that I've ever met in my life! He really loves helping other hams, and he builds all kinds of rigs & equipment, giving it for free to financially-strapped individuals (especially to the HandiHams on 7.260), and NEVER asks for a dime in return!

Anywho, I've been trying to get Marty here on qrp-l for the last two years, but he doesn't know what in the heck he's doing when it comes to computers. He's asked for my help, and help him I will !!!

Unfortunately, it would be hell and two thirds trying to help him from my Louisiana or Houston QTH, especially when he knows nothing about computers, so I'm forced to ask for help myself. What I need is a computer-literate individual in the Wichita area to go over to his house, install a freebie package, and get him transmitting and receiving e-mail. I'll do whatever it takes to accomplish this, including payment for services if necessary. So, if you are interested in increasing the S/N

ratio here on QRP-L and want to help a fellow ham that has helped countless amateurs -- and I mean countless, too! -- please drop me a line and I'll give you his address and phone number.

Thanks for you time and the BW, gang!

72/73,

----

Randy Jouett, AB5NI

-----  
Date: Fri, 20 Aug 1999 01:35:48 EDT  
From: PUNISHER3@aol.com  
To: kl7h@arrl.net  
Cc: qrp-l@lehigh.edu  
Subject: [48034] Re: No Radial Vertical Antenna Question...  
Message-ID: <e1b1c648.24ee4334@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Bruce,

I don't have the R-7000 but I do have the R-7 (older version). I too was alittle confused about this antenna since it doesn't have any radials. I tried putting radials on it a few times, but nothing good ever came out of it. It got quieter, but the performance went down with the noise.

A couple months ago, I went to an ARRL convention with seminars and everything. One of them that I went to was about antennas. Afterwards, I talked to the guy and he said that the R-7 wasn't truly a vertical antenna. There was some characteristic about it (which I can't remember) that made it work so good. Also, he said that it is very very dependent on ground and can't be any higher than 10 ft high, or the performance will go down.

Heres a few things I've found with my antenna -

DO - Put it on a 10 foot mast, which is grounded

DON'T - Put it very close to your house or your neighbors house. This antenna gets into EVERYTHING if next to any appliances or house wiring will cause havoc

I am very surprised with this antenna. It works very very well on the lower bands (30 & 40). I have a 40 meter delta loop up 70 feet and I regularly compare the antennas. The R-7 keeps up very good along side the loop and sometimes I get a few more S- units from it. I think If I had 2

delta loops 90 degrees apart though. I would do better. right now, the loop is broad side north and south so I get west coast very good, but east coast doesn't come in to well. That's where the vertical comes in!

Over-all its pretty good, but you have to be careful with the RF. Even with torriods, ferrite beads and low-pass filters, somehow the vertical seems to wiggle its way in. You may want to tell this to the person that you are helping with, who has the antenna.

Sorry if I've been blabbing on... Its late over here and I have nothing better to do :)

73,

Ben

NW7DX Seattle, Washington

In a message dated 08/19/1999 9:46:44 PM Pacific Daylight Time, kl7h@arrl.net writes:

<< Hi Gang...

I have been asked to help out some new hams in the area that think they are having antenna problems... Once I check it tomorrow, I will know if there are any obvious opens shorts or high SWR problems... Now my question...

It is my understanding that they are running the R-7000 no radial antenna... What is the collective wisdom on this antenna and type of antenna ??? I admit to being skeptical of any vertical without radials save for a vertical dipole... Can this antenna be improved with the addition of radials ??? Do we have any do's and don'ts from any on the list using this type of antenna ???

Thanks in advance for any input on this subject... Trying to get my ducks in a row before tomorrow night... Take care and have fun...

72 / 73 / oo's - Bruce - KL7H  
Fairbanks, Alaska  
>>

-----  
Date: Thu, 19 Aug 1999 23:46:12 -0600  
From: "Rod, N0RC" <rwc@frii.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48035] ARCTIME: GROUP BUY UPDATE #2  
Message-ID: <014001beeacf\$946aa720\$818611d8@compaq>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Folks:

The count of clocks for the group buy continues to rise. At last count I was up to about 25.

On Sunday 22-Aug, I will send email to all who have responded, asking you to confirm your quantify, and interest. THAT EMAIL WILL NOT GO TO QRP-L!!! If you don't see an email from me and you wanted a clock send me a note. No hurry on this matter remember: I WILL BE ON VACATION 23-Aug thru - 01-Sep and NOT checking email.

I've collected the various questions that have come up so far, and offer the FAQ below. If I've missed something or if you have a new question contact me, I'll update the FAQ and distribute it.

That's all for now, thanks for your interest.

---  
72/3 Rod, NØRC  
da di dah

GROUP BUY FAQ: WWV Clock from Arcron

Last update Thursday, August 19, 1999

Author: Rod Cerkoney, NØRC (Group Buy Coordinator)

NOTE: ALL DATA VERIFIED VIA PHONE CALL TO SUPPLIER

1. Does the clock do 24HR format?

YES when in UTC Mode. When in "local Time Mode" the display is AM/PM

2. Where can I see and read more about the clock?

<http://www.arctime.com/zeittravel.htm>

3. When will I receive the clock?

Some time after 05-Sep-1999 that is when the order will be placed

4. How much will it cost.

Right now abt \$54 shipped CONUS. International deliveries, if any, will have to be more. If we can get 100 or more I can negotiate an even lower price.

5. How do I participate in the group buy.

- o send an email with your intention to buy now.

- o On 02-Sep-1999 I'll tally the orders negotiate final price and inform all buyers, by email, of the final price. That email will include instructions of where to send you payment.

- o Payment will be by Check or MO

6. Will Arcron honor the 30day guarantee for the group buy?

YES but I (the buyer) will have to do that. Bad for me (more work) good for you. Hope we can keep that to minimum, please?

7. What kind of batteries does the clock require?

AAA's

8. Is the radio susceptible to 30m interference?

SRI no data available. FWIW this clock listens to the WWVB signal on 60kHz. For more info abt WWVB see:  
<http://www.boulder.nist.gov/timefreq/wwwstatus.htm>

9. How often does the clock correct itself?

Once per day, early in the morning. The RCVR can be activated manually by pressing the clock's "+" "-" keys. This is not covered in the manual.

10. I've heard the clock is on close out and is being discontinued, WHY?

The manufacturer in Germany is discontinuing the clock, because the

product is "getting old", 4 or 5 years, parts are running low and they want to do new stuff.

11. I've sent email to Rod, N0RC asking some questions, but haven't heard from him. WHY?

Rod is on vacation 23-Aug-1999 thru 01-Sep-1999 and it NOT checking email. I will answer your question(s) as soon a possible after 01-Sep.

* * *

-----  
Date: Fri, 20 Aug 1999 02:01:48 EDT  
From: RangerSF5@aol.com  
To: rules@bellsouth.net, qrp-l@lehigh.edu  
Subject: [48036] Re: Need Help For a Fellow Ham!!!!  
Message-ID: <f8c76a78.24ee494c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

In a message dated 8/20/99 0:25:53 AM EST, rules@bellsouth.net writes:

<< ow all that much about computers. I'm looking for someone here on QRP-L that can go over to his house, install Juno, Net Zero, or some other freebie on his computer, showing him how to send >>

Randy,  
All you'r friend has to do is go to <http://www.juno.com> but thats free *E* mail only.  
To get zero.net,he has to sign up with an ISP that has web surfing and go to <http://www.zero.net>

-----  
Date: Thu, 19 Aug 1999 23:09:21 -0700  
From: Jim <w7ls@blarg.net>  
To: qrp-l@lehigh.edu  
Subject: [48037] Anyone in Lewiston, ID? Newbie needs help  
Message-ID: <37BCF110.A8FDC032@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi. I have a friend in Clarkston, close to Lewiston, ID. I'd like to find a ham in the area that he can ask some questions of. Thanks. Jim W7LS

-----  
Date: Fri, 20 Aug 1999 03:54:11 -0400  
From: "R. E. Weston" <rossew@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [48038] Argo 556 in Mint Condx Wanted  
Message-ID: <19990820.035622.11830.6.rossew@juno.com>

Will pay premium price for a mint "pristine" Argo 556.

Ross (W8REW)

rossew@juno.com

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Fri, 20 Aug 1999 02:55:22 -0500  
From: "Charles Hamel" <cdhamel@pdq.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [48039] OT Special Events  
Message-ID: <000b01beeae1\$5d882fe0\$a50c76d8@cdhamel>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Gang, I received the Sep QST today, (I am a new member to ARRL), glancing through the mag I came across the Special Events Section. and was wanting to know if any list members collect these special events certificates or QSL's??

Would like to hear from you!

Thanks



Charles  
KC5DXQ

-----  
Date: Fri, 20 Aug 1999 01:13:37 -0700  
From: "Dave Fifield" <fifield@pacbell.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48040] Website Update  
Message-ID: <009601beeae3\$e7bc36a0\$0100a8c0@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Red Hot Radio website updates this evening -new on RH NC20, RH40 (more delays sorry!),  
Japanese distributor, Pacificon '99, plus NorCal Club kit NC20 mods updated.  
Go looksee at <http://www.redhotradio.com>

72 de Dave Fifield, AD6A

-----  
Date: Fri, 20 Aug 1999 06:26:33 -0400  
From: Michael Bower <bowerm@ix.netcom.com>  
To: qrp-1 <qrp-1@lehigh.edu>  
Subject: [48041] new RS Atomic Clock  
Message-ID: <37BD2D59.FF8EB6EB@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Picked up the new RS catalog last night. The new version of the Atomic clock seems to only be a difference in case design. Still just 4 time zones, still no UTC, etc.

Michael - N4NMR

-----  
Date: Fri, 20 Aug 1999 06:34:17 -0500  
From: "Walter Dufrain" <walter@inlink.com>

To: <cdhamel@pdq.net>, "QRP-L" <qrp-l@lehigh.edu>  
Subject: [48042] Re: OT Special Events  
Message-ID: <000301beeb00\$02abe660\$7d6ac4ce@nexar>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Charles, yes, I do chase the "wall paper" certificates. Some of the qsl certificates actually have a written note: the only cw contact.

Special event certs are usually a one time, very nicely done, colorful, and sometimes include a lot of information about the event or area that the Ham Station represents.

You will find for the most part that these contacts are normally not DX style contacts. It is not just call sign, rst and poof they are off to another contact. Rather the normal mode is pretty slow and you will get info about the event, qsl info, what rig/antennas are used, and may wind up talking to a 3rd party spectator that is just standing at the station and is invited to say 'HI'. All this is in the SSB mode. If you are running QRP SSB you may have to do a lot of repeats and/or turn the power up to make the contact. A lot of the special event stations are setup in noisy locations and a qrp whisper ssb signal will fall into the background noise.

If you plan on checking-in on CW, try running 10 to 15 WPM and be prepared for lots of repeats if it is a SSB station. Please remember your cw transmit signal may need to be shifted in frequency depending on your offset. You have to get into their passband. This is where having a RIT or dual VFO's is a operating necessity. As in qrp contesting, the tail-ending another signal works very well since some of the stations are using the dreaded "squelch" knob on ssb.

Its a lot of fun, join in the chase!

72 / 73 Walter Dufrain, AG5P

Wright City, Missouri

-----  
Date: Fri, 20 Aug 1999 04:42:21 -0700 (PDT)

From: Stanley Wilson <microres@crl.com>  
To: Charles Hamel <cdhamel@pdq.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48043] Re: OT Special Events  
Message-ID: <Pine.SUN.3.91.990820043734.25911A-100000@crl.crl.com>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 20 Aug 1999, Charles Hamel wrote:

> glancing through the mag I came across the Special Events Section. and was  
> wanting to know if any list members collect these special events  
> certificates or QSL's??

Charles it is a lot of fun to work the special events stations. Often it is easy and at other times very difficult. They usually run about 100 watts with make shift antennas. Some of the certificates are really nice and others so-so. They usually ask for a SASE or \$1 to cover printing cost and mailing. But just because they give the freq and time does not always make it easy to work them. Conditions, etc. play apart and often they are not manned 24 hrs so it is hit and miss.

Try a few and you will either love it or hate it. HI And after you get a box of certificates you will enjoy going through them just like a box of qsl cards.

73 de stan

-----  
Date: Fri, 20 Aug 1999 08:28:02 EDT  
From: charles k brown <n4so@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [48044] 3B8FG Mauritius  
Message-ID: <19990820.122414.7167.54.n4so@juno.com>

Worked 3B8FG on 14.015 at 1220Z with no problems.  
Station is calling CQ with no takers.  
5 watts NC-20 /4 ele. beam.

Ken Brown, N4SO  
QTH nr Mobile, AL/ EM50tk  
qrp-1 #622  
n4so@juno.com

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Fri, 20 Aug 1999 05:53:43 -0700  
From: Thomas Upton <stjohn@ocsnet.net>  
To: qrp-l@Lehigh.EDU  
Subject: [48045] Re: Command Sets  
Message-ID: <37BD4FD6.36FC0F2D@ocsnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The "Command Sets" book is taken. Thanks to all who had their eyes open on this quick take.

Tom AD6N

-----  
Date: Fri, 20 Aug 1999 10:10:35 -0400 (EDT)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com, tenten-l@lehigh.edu  
Subject: [48046] Thanks  
Message-ID: <Pine.GS0.4.10.9908201006490.1930-1000000@moe.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

This is Aug. 20, the second anniversary of adding the counter to my site. Year 1 brought about 30,000 visits to the site. Right now, the counter reads 89,600+, meaning another 59,000 visits to the site this past. I am glad my notebooks have proven useful to various members of the community (unless it is really just one person with an automated connection every few minutes who doing the visiting).

-73-

LB, W4RNL

L. B. Cebik, W4RNL            /\   /\   *   /   /   /   Tel: (423) 938-6335  
1434 High Mesa Drive        /   \/   \/   ----/\---   <http://web.utk.edu/>

Knoxville, Tennessee     /\   \   \ \   /   / ||   /        ~cebik/radio.html  
37938-4443     USA     / \   \   \ \        ||     e-mail: cebik@utk.edu

-----  
Date: Fri, 20 Aug 1999 08:09:17 -0600  
From: "Rod, N0RC" <rlwc@frii.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Cc: <w1pa@arrl.net>  
Subject: [48047] ARCTIME: GROUP BUY UPDATE #3  
Message-ID: <013a01beeb15\$d0f65e00\$108711d8@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Folks:

RCVD the follow note from Bill, W1PA, TNX Bill. He has 2 of these clocks,  
and is ordering a 3rd! More questions answered, I'll roll this info into the  
FAQ later this weekend.

* * * * *

Feel free to pass this on to the list --  
Bill    w1pa@arrl.net

(set your mail program to Courier font)

Just to clarify...

The clock works off of 60KHz, not 10 Mhz. From Ft Collins CO, set near a  
window, it has no problem updating in New England. It updates at 0100,  
on whatever timezone it is set. It will also try again at 02hr and 03 if  
unsuccessful, I believe.

The clock displays 24 hr format when in UTC mode. It's not clear in the  
web picture, but the BCD display on the left hand digit is set up like  
this:

```
  ---  
| am  |  
  
  ---  
| pm  |
```

---

... so it is capable of displaying the left hand "two" in 24 hr mode.

I personally own two, and use them in tandem as my station clock:

```
+-----+-----+
|pm 10:23 |02:23utc |
|  8/19   | 8/20   |
+-----+-----+
```

They use 2 AAA each, and so far have been on almost a year with the same set of batteries. The antenna is in a little swingout bar at the bottom of the clock which holds it upright when on a desktop. I did a lot of hunting trying to find one that would do 24hr UTC, and yes, the only other is the highend desktop version with the RS232 interface... the standard one does not, at least not without opening it up and modding it.

Enjoy (and yes, I've ordered a third...)

Bill

* * * * *

---

72/3 Rod, N0RC  
da di dah

-----

Date: Fri, 20 Aug 1999 08:11:24 -0700  
From: "Mont Pierce, KM6WT" <montp@synacom.com>  
To: "Randy Jouett" <rules@bellsouth.net>, <RangerSF5@aol.com>, "QRP-L" <qrp-1@lehigh.edu>  
Subject: [48048] RE: Need Help For a Fellow Ham!!!!  
Message-ID: <NDBBIOJIAKOAANEFHNEAGEMACAAA.montp@synacom.com>  
Mime-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of  
>  
> In a message dated 8/20/99 0:25:53 AM EST, rules@bellsouth.net writes:  
>

> << ow all that much about computers. I'm looking for someone here  
> on QRP-L that can go over to his house, install Juno, Net Zero,  
> or some other freebie on his computer, showing him how to send >>  
>  
> Randy,  
> All you'r friend has to do is go to <http://www.juno.com> but thats free *E*  
> mail only.  
> To get zero.net,he has to sign up with an ISP that has web surfing and go to  
> <http://www.zero.net>  
>

If you mean <http://www.netzero.net> that is a FREE ISP, so you don't have to sign up for some other ISP to get it, you just have to figure out a way to ge their software...

The NetZero software is about 3.4meg. I'd be happy to put it on a CDROM and mail it to him if that would help.

73,  
Mont

-----  
Date: Fri, 20 Aug 1999 09:14:35 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [48049] Latest:40 mtr fox hunt Teams  
Message-ID: <Pine.LNX.3.95.990820090317.8671A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...a VERY high powered Team has just joined the hunt!....protect your front-ends by any means possible; unplug your AC cords, disconnect your battery, disconnect your antennas, dig a deep hole; put your rig in the hole + antenna; then put dirt back in hole cover with cement....these guys are SERIOUS!...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

*****  
Blue J's: Houston Hounds:  
John - VE3JC Bill - K5ZTY  
Jim - VE6JWA Bill - W5SB  
Jeff - VA3JFF Terry - KQ5U  
Jon - TF3JA Dan - KK5LD

Mangy Mushers:

Pete - NV4V  
Paul - VE7CQK  
Bruce - N7RR  
Ed - K1VP

Oklahoma Torenadoes:

Cliff - AB5UA  
Royce - KE5TC  
Don - K5AAR  
Gody - AC6UV

Raiders of the Lost RF:

Fred - VE3FAL  
Earl - VE6EWM  
Bruce - VE5RC  
still looking; any USA/Cdn

Swamp Rats:

N1TP - Tom  
KF4KSM - Mac  
W2XN - Fred  
AJ4Y - Paul

SWORDS:

Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ  
Dan - N8IE

Team Cramp.com:

K10J - OJ  
K5VUU - George  
K5NZ - Mike  
NM5M - Eric

Team ScQRPion:

Floyd - NQ7X  
Gary - AB7MY  
Conrad - WS4S  
Bob - KI7MN

Underdogs:

Roy - AB7CE  
Dan - N4ROA  
Brian - KB9BVN  
Ron - KI0II

Western Wranglers:

Randy - K7TQ  
Chuck - K7Q0(new kid on the block?:-)  
Steve - WW7Y  
Ron - KU7Y

20th Maine Bengal Bears:

Jim - N5IB  
Butch - N5SMQ  
Bill - NT1R  
Joel - KE1LA

...anybody else heard the rumour that the Western Wranglers have made arrangements to hook their rigs up to Voice of America antenna systems?...12 Teams and counting....who's next??.....lots of time left to form and enter a Team, so just let me know via e-mail please.....this is shaping up to be another good fun year for the 40 mtr Fox Hunt Team competition!...please let me know if I have any errors in the list...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"



-----  
Date: Fri, 20 Aug 1999 11:16:02 -0400  
From: "Jerry W. O'Dell" <jwodell@ameritech.net>  
To: qrp-1@lehigh.edu  
Subject: [48050] 811s  
Message-ID: <4.2.0.58.19990820111441.009684e0@mailhost.det.ameritech.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Definitely not qrp, but the price of 811s has increased  
rather much. Anyone who uses them should check!

Now, let's see, if I put 1000 volts bias on the thing, I should  
get qrp

73 jerry w8gnd

-----  
Date: Fri, 20 Aug 1999 15:18:20 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: w5yr@swbell.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48051] Re: Feedline Measurements- Computer Ribbon Line  
Message-ID: <37BD71BC.AF9@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I'm not really sure, George. Probably similar to measuring  
a thru-hole capacitor at different frequencies. There are  
lots of opportunities for resonant conditions and other  
dominant factors as inductance etc. that can occur in components  
or part operating well beyond what the physical properties  
can allow.

Kind of like a 200 MHz parasitic oscillation in a circuit  
with a freq. maximum of only 20 Mhz.

I gots what I gots. :)

Been fun. 72/Ed we6w

George T. Baker wrote:

>  
> Ed, what is it about the ribbon line that accounts for its wide swings in  
> measured capacitance and Zo with frequency? Insulation? Construction?  
> What? Enquiring minds, etc. ;^)  
>  
> 72/73, George           AMA 98452           R/C since 1964  
> Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
> AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
> QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

--

-Ed AR Millennium Q's=>1000/2000 QRP-L#1068 BB#101  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

-----  
Date: Fri, 20 Aug 1999 11:28:53 -0400  
From: Ken Newman <N2CQ@citnet.com>  
To: PAQSO@qth.net, QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [48052] NJ QSO Party - QRP: More  
Message-ID: <3.0.6.32.19990820112853.0089c800@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Group,

A better and more detailed rules for the contest can be found at:

<http://www.sk3bg.se/contest/text/njqp.txt>

CHECK IT OUT!!

72 de  
Ken Newman - N2CQ  
Woodbury, NJ  
N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~  
<http://www.njqrp.org/data/contesting.html>

~~~ NJ QRP Club Callsign ~~~  
WQ2RP

-----

Date: Fri, 20 Aug 1999 10:36:24 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48053] Re: Need Help For a Fellow Ham!!!!  
Message-ID: <007301beeb21\$e20aa870\$6b67d6d1@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Bob,

>In a message dated 8/20/99 0:25:53 AM EST, rules@bellsouth.net writes:  
>  
><< ow all that much about computers. I'm looking for someone here  
> on QRP-L that can go over to his house, install Juno, Net Zero,  
> or some other freebie on his computer, showing him how to send >>

>All you'r friend has to do is go to <http://www.juno.com> but thats free *E*  
>mail only.

>To get zero.net,he has to sign up with an ISP that has web surfing and go to  
><http://www.zero.net>

Thanks for the info, Bob! I'll go over to Zero and check it out. I'm not sure if I'm remembering this correctly, but I think Marty is using a 386 or 486 with an old modem. He does have a new computer in the works, though.

Anywho, now that I think about it, he'll probably need a copy of that shareware DOS package from the UK. that starts with an "Ar" something or other. Anyone give me a hand with the name and URL? I guess I'll have to download it and snail mail it to him, too.

I guess I could install pkunzip on a floppy on the disk and write a batch file that did the install, but from talking to him about computers and what not, I've decided that he needs some serious supervision and in-person instruction to learn the "gist" of computers. He's not stupid, of course, but just lay-minded and uninitiated when it comes to computers. He has one saving grace when it comes to computers, though -- he can run the "Introduction to RF Design" programs and use the info to build gear :^).

If worse comes to worst, I guess I'll either have to fly up there and do this myself, or I'll have him ship his computer down, install all of the software (and a new modem, if necessary), and ship the whole shebang back to him. Hopefully, some ham in the Wichita, KS. area will speak up and give Marty a hand. If not, then I'll just have to do it the hard way. Oh, well -- he's worth it!

BTW, Marty checks in daily to the HandiHam net on 7.260 Mhz at 2:00pm CST, if anyone wants to pull him off frequency and explain any of this stuff to him and let him know that we are trying to help :^).

72/73,

----

Randy Jouett, AB5NI

-----  
Date: Fri, 20 Aug 1999 10:57:08 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [48054] Also worked K8IQK's 2N2/40!  
Message-ID: <199908201539.LAA03034@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Hey Gang,

Got a heck of a suprise last night when I signed with AB8DF and heard Jim, K8IQY give me a call! Missed K2UD last night, but made up for it working Jim's original 2N2/40 with my somewhat mutated version.

Too bad the QRN was so ^&#\$\$%! bad, it had to be a short one.

Two 2N2/40 QSO's in two nights, now that's something :-)

Get that solder melting folks, want to work a few more of these rigs!

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Fri, 20 Aug 1999 10:57:07 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [48055] Re: Solar Update 18Aug  
Message-ID: <199908201539.LAA03027@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

> So this is why the bands are particularly noisy right now, although a  
> couple of 2N2/40's made it through (congrats, BTW).  
>

Thanks for the info Paul,

Been wondering why 40's been so noisy, didn't seem like lightning  
crashes was the only reason it's been so bad. 20 has seemed pretty  
lack luster lately also, was afraid the 40/20 trap dipole I set up  
the other day just wasn't hearing very well on 20, but even the SSB  
portion of the band's been dead. Making those 2N2/40 contacts has  
been a challenge!

Boy, 01' Sol's been doing a number on us this cycle, hope it settles  
down and lets us have some serious (and consistant) propagation soon!

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Fri, 20 Aug 1999 11:40:28 -0400  
From: "Armin Hachmer" <armin@muskoka.com>  
To: "qrp-1" <qrp-1@Lehigh.EDU>, <qrp-canada@lists.gpfn.sk.ca>  
Subject: [48056] CQ David Reid G0BZF  
Message-ID: <001a01beeb22\$5b603640\$d6afd4c7@muskoka.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

looking for contact with David Reid PA3HBB / G0BZF regarding article on  
magnetic loop antenna.

Please respond direct. Thank you.

Armin Hachmer VE3TEQ  
'Life is a contactsport'  
armin@muskoka.com

-----  
Date: Fri, 20 Aug 1999 09:04:26 -0700  
From: Allan G Taylor <k7gt@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [48057] QRPp - QRO contact  
Message-ID: <37BD7C8A.714A@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I was doing a very conventional QRO (100W) operating session yesterday evening (5PM local time) on 20m and was called by N3XRV. Pretty weak and we could only get a single full round of the std exchange. His sig dropped into the noise (plentiful!!) and I wandered off to other freqs for some contacts. In about an hour I ended back up near where we had originally had our contact and he called me again. This time his sig was S5/6, at least for a while. He was running 5W then but reported that earlier he had been running 20 mW. I was and am completely amazed that someone running 20 mW to a dipole could have gotten through that soup, even briefly, to the west coast! I was having trouble copying everyone from the east coast at even 100W level.

No, this isn't gg to turn me into a QRPper... but the experience was memorable.

GT

--

|                               |              |                                                               |
|-------------------------------|--------------|---------------------------------------------------------------|
|                               |              |                                                               |
|                               | /            |                                                               |
|                               | /            |                                                               |
| Allan Taylor K7GT             | /Z  \        | FISTS 3222 ARS 228                                            |
| k7gt@arrl.net                 | /  /599  \   | DXCC and WAS 40/cw                                            |
| Pleasanton CA CM97aq          | /_ /____ __\ | <a href="http://www.qsl.net/k7gt">http://www.qsl.net/k7gt</a> |
| ...QRO, QRP, or barefoot..... | [\-----/     |                                                               |

~~~~~

Date: Fri, 20 Aug 1999 11:17:34 -0500
From: "Randy Jouett" <rules@bellsouth.net>

To: <montp@synacom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [48058] Re: Need Help For a Fellow Ham!!!!
Message-ID: <008401beeb27\$a7e35ce0\$6b67d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Mont Pierce, KM6WT <montp@synacom.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, August 20, 1999 10:14 AM
Subject: RE: Need Help For a Fellow Ham!!!!

Hi Mont,

>If you mean <http://www.netzero.net> that is a FREE ISP, so you don't have
>to sign up for some other ISP to get it, you just have to figure out a way
>to ge their software...
>
>The NetZero software is about 3.4meg. I'd be happy to put it on a CDROM
>and mail it to him if that would help.

Unfortunately, I don't think that Marty has a CD-ROM, but thanks for the try, Mont, and it is appreciated! He told me the other day that he's running Windoze 3.11 -- I know, but it's his first computer :) -- so he'll prolly need that UK shareware prog, so I'll have to dload it, install it on my NT box, figure out the package, and send it to him with some neophyte installation instructions. I guess I'll prolly send him over to his local Baby Bell for his ISP, and all he'll have to do is tack that service charge on to his current phone bill (i.e., if he's using a Bell system).

72/73,

Randy Jouett, AB5NI

Date: Fri, 20 Aug 1999 12:19:30 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [48059] Milliwatts coast-to-coast
Message-ID: <Pine.LNX.4.04.9908201138040.13279-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Last night I got a few minutes to play radio. I tuned around 14.060 and heard Allan, K7GT calling CQ. Hearing a call from someone on the list is always an attention getter. He heard me on the first call, my 549 to his 569, conditions dropped off some and we lost each other rather quickly.

About half an hour later I heard him again, and went to the "full teaspoon" and filled in all the details for him. It was great to have someone ask you "Did you say 20mW.. 2 T M W?", after I confirmed the power I got a "WOW" from Allan. That sort of sums up amatuer radio for me, it's the WOW that keeps me going. QRP, CW, Microwave, SSB, ATV, EME, sats, whatever, as long as there's some WOW in it, I'm gonna be playing:)

And for the curious, the "power house" at this end is an HW9 with twinlead folded dipole laying on my wet roof (yes it did rain in the east:). K7GT was running a vertical. Certainly no record (only 150,000 miles/watt) but it did drop my CA budget by 30mW, so now I can "crank" it up for HI, AK, ID...

72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 20 Aug 1999 12:23:52 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrpx-1@lehigh.edu, QRP-L@lehigh.edu, njqrx@njqrx.org
Subject: [48060] NJ QSO Party - QRP: Details
Message-ID: <3.0.6.32.19990820122352.007ccd90@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi QRP Contesters,

More details for this contest are included right here instead of chasing you around the 'net.

1. NJ QRP Club sponsored a QRP version of the NJ QSO Party for this weekend. Use the rules (below) posted by the original sponsor (Englewood ARA). You may add 100 points per QSO with WQ2RP, the NJ QRP Club call. Awards for QRP stations will be given to each State, Province, DX country and NJ County winner by NJQRP.

=20

Send your log to:

=20

NJ QRP Club
C/O Ken Newman, N2CQ
81 Holly Drive
Woodbury, NJ 08096

or e-mail: N2CQ@ARRL.NET

You should send a copy of your log to the original sponsor (EARA) as well.

2. Club competition:

The South Jersey Radio Assn. offers awards for clubs with 3 or more entries. See the details below also.

~~~~~ NJ QSO Party=  
Rules~~~~~

-----  
Text-only page

Edited by SM3CER - sm3cer@contesting.com - 15 August 1999

SM3CER Contest Service - <http://www.sk3bg.se/contest/>  
-----

40th Annual New Jersey QSO Party  
-----

The Englewood Amateur Radio Association, Inc.  
invites all amateurs the world over to take part in the  
40th Annual New Jersey QSO Party 1999.

1:

The time of the contest is from:

2000 UTC Saturday August 21 to 0700 UTC Sunday August 22, 1999

and from:

1300 UTC Sunday August 22 to 0200 UTC Monday August 23, 1999

2:

Phone and CW are considered the same contest.

A station may be contacted once on each band - phone and CW are considered separate bands - CW contacts may not be made in phone band segments.

New Jersey stations may work other New Jersey stations.

3:

General call is "CQ New Jersey" or "CQ NJ".

New Jersey stations are requested to identify themselves by signing "DE NJ" on CW and "New Jersey calling" on phone.

Suggested frequencies are: 1810, 3535, 3950, 7035, 7135, 7235, 14035, 14285, 21100, 21355, 28100, 28400, 50-50.5, and 144-146.

Suggest phone activity on the even hours; 15/10 meters on the odd hours (1500 to 2100 UTC); 160 meters at 0500 UTC.

4:

Exchange consists of RST, QSO Number, and QTH (State/province or country).

New Jersey stations will send county for their QTH.

The 21 New Jersey counties are:

|            |            |          |
|------------|------------|----------|
| Atlantic   | Gloucester | Ocean    |
| Bergen     | Hudson     | Passaic  |
| Burlington | Hunterdon  | Salem    |
| Camden     | Mercer     | Somerset |
| Cape May   | Middlesex  | Sussex   |
| Cumberland | Monmouth   | Union    |
| Essex      | Morris     | Warren   |

5. Scoring:

Out-of-state stations multiply number of complete contacts with New Jersey stations times 3 points per QSO times the number of

New Jersey counties worked (maximum of 21).

New Jersey stations multiply number of complete contacts times 3 points per QSO times the multiplier.

The multiplier is the sum of the number of states (other than NJ), Canadian provinces, and NJ counties worked  
- maximum is  $49 + 12 + 21 = 82$ .

6:

Certificates will be awarded to the first place station in each New Jersey county, state, province, and country.

In addition, a second place certificate will be awarded when four or more logs are received. Novice, Technician, and mobile operator certificates may also be given.

A total of four plaques have been donated by the ARRL NNJ Section Manager Roy Edwards, AB2RE, and SNJ Section Manager Jean Priestley, KA2YKN, to the highest scoring single operator station residing in each of their sections (separate plaques may be awarded for Novice/Technician and all other classes).

7:

Logs must also show the UTC date and time, QSO exchange, band, and emission, and be received not later than September 18, 1999.

The first contact for each claimed multiplier must be indicated and numbered and a check list of contacts and multipliers should be included. Multi-operator stations should be noted and calls of participating operators listed.

Logs and comments should be sent to:

Englewood Amateur Radio Association, Inc.  
P O Box 528  
ENGLEWOOD, NJ 07631-0528  
USA

A #10 size SASE should be included for results.

8:

Stations planning active participation in New Jersey are requested to advise EARA by August 1st of your intentions so that we may plan for full coverage from all counties.

Portable and mobile operation is encouraged.

We are hoping to encourage record participation this year.

Questions about the contest should be directed to Dave Popkin, W2CC,  
via e-mail at: w2cc@idt.net

----- ooo -----=09

(Date of info: August 14, 1999)

- Source: David B. Popkin, W2CC - w2cc@idt.net  
via Bob Reed, W2CE - w2ce@prodigy.net  
on the CQ-Contest Reflector - cq-contest@contesting.com

This contest directly supported by:

NA Logging Program <http://www.contesting.com/datom/>

SM3CER Contest Service Software Page:

<http://www.sk3bg.se/contest/software.htm>

Please send corrections/changes/new rules/results to:

Jan-Eric Rehn - SM3CER  
sm3cer@contesting.com

-----  
URL: <http://www.sk3bg.se/contest/text/njqp.txt>

Copyright =A9 1997-1999 Jan-Eric Rehn - SM3CER

This page was created March 30 1997

Most recent revision August 15 1999  
-----

~~~~~ Club Competition ~~~~~

South Jersey Radio Association (SJRA) is sponsoring a plaque for club competition this year, and probably in future years. We did this on short notice, so the plans and specifics are a bit fuzzy, but here are the general rules:

\* A "club" consists of three or more people sending logs. The logs must go to the NJQP sponsor (Englewood ARC) as well as to SJRA. They get the original, while we get a copy of the cover sheet. The cover sheet must list your club affiliation, i.e. "NJ QRP," "SJRA," etc.

\* We wait for official results from EARC to gather the official scores,
so

we need them to finish before we can.

\* The scores for all club members are simply totaled together to get
a final club score. The results are sorted by score. The highest
combined score is considered the winner.

\* We'll issue a plaque for the top club, but we haven't determined if
fi it'll be for the club, or for the individual operator with the top
score.

Either way, any member of the winning club can self-fund a personal
plaque. Certificates for everyone else.

Again, some of the specifics might change once we see how much
(if any) interest there is. We've publicized this very little, so please
tell

other NJ clubs about it. All clubs, whether in-state or not, are in the
same running. So, if FRC, YCCC, or PVRC want to make a serious
effort, they could walk away with the plaque.

Send a copy of your summary sheet, OR an email with the basic info
(name, call, address, club, score) to me, and I'll handle the work:

Bob Applegate
102 Peachfield Court
Marlton, NJ 08053

bob@vramp.net

Electronic submissions are best.

In the recent past, SJRA has been the only active club in NJQP. We
hope that will change. Most of our ops are running QRO (some with
amps), but we get about 14 logs, many of which have only a few Qs
on them. A group like NJQRP could certainly get a lot more operators
on the air, so there is potential to win.

Questions? I'll try to answer them, but SJRA is still a bit fuzzy on
the details, HI!

72,
Bob - K2UT

~~~~~  
Look for WQ2RP in the contest, and we'll look for YOU!

=20  
72 de  
Ken Newman - N2CQ=20  
Woodbury, NJ  
N2CQ@ARRL.NET  
=20  
~~~QRP Contest Calendar~~~ =20  
<http://www.njqrp.org/data/contesting.html> =20
~~~ NJ QRP Club Callsign ~~~  
WQ2RP

-----  
Date: Fri, 20 Aug 1999 12:27:50 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: rwc@frii.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48061] Re: ARCTIME: GROUP BUY UPDATE #3  
Message-ID: <37BD8206.10C7@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Rod, and guys,

I have been watching this group buy thing for a while and I will say great for all of you. But, I must ask this one simple question - we are principally a radio list. We use low powered radios to communicate most of the time. Communications are between ourselves and other hams. Please, can someone tell me why in he** do any of us need atomic time precision in our shacks? Just what does it add to the QS0/ To the log?

73

-----  
Date: Fri, 20 Aug 1999 12:26:05 -0700  
From: Charles Kadesch <chas@digizen.net>  
To: jwodell@ameritech.net  
Cc: qrp-1@lehigh.edu  
Subject: [48062] Re: 811s  
Message-ID: <37BDABCD.7040@digizen.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jerry W. O'Dell wrote:

>

> Definitely not qrp, but the price of 811s has increased  
> rather much. Anyone who uses them should check!

Oh no, the audio troops may have "discovered" it. The 304-TL has gone out of sight since they are building KW+ audio amps with them for rock concerts. Even the innocuous 6SN7 (on a lower power scale) has fallen prey.

-72 de Chas W3KC-

-----  
Date: Fri, 20 Aug 1999 11:38:15 -0500  
From: George F Franklin <w0av@juno.com>  
To: QRP-L@Lehigh.Edu  
Subject: [48063] Wanted: Command Sets Book  
Message-ID: <19990820.113816.-72737.0.w0av@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Gang,

I missed the book offer on QRP-L (I was number 4) so I still need a copy of Command Sets by Cowan Publishing (CQ Mag) back in the late 50's or early 60's.

I seem to recall that there were two versions of the book. Unfortunately I lent my pair to someone years ago, and they never returned home.

Please state what you have, condition and price.

72 de George/W0AV

-----  
Date: Fri, 20 Aug 1999 12:43:14 EDT  
From: N10DL@aol.com  
To: qrp-L@lehigh.edu  
Subject: [48064] LONGWIRE Ant Gone  
Message-ID: <2225c649.24eedfa2@aol.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

We had a terrific lightning and thunder storm here the other night, and heavy rain.(New Hampshire) Pulled out of the garage the next morning and saw a wire hanging across the driveway. Got out and discovered that my End fed long wurd antenna for 40 meters was now in two pieces...I heard in the past that the Antennas West company was out of business. What to do now.....my wife showed no simpathy in this antenna laying on the ground.

I am open to suggestions on what I should get to replace this fine antenna. I am on 4 acres of woods with some open area around the house. Not sure I want to go the Vertical route just yet. I have a Guscher 20-20 hung up out the window of the shack for now into a tuner. I am getting ready for a vacation, so this fine antenna will be coming down and packed in the suitcase.

What is the opinion out there in QRP-L land regarding dipole vs. longwire?

I am hoping to get something up this weekend.

Thanks in advance

Aron Brown

N10DL

-----  
Date: Fri, 20 Aug 1999 09:45:51 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48065] Re: ARCTIME: GROUP BUY UPDATE #3  
Message-ID: <Pine.GS0.4.10.9908200939060.21327-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 20 Aug 1999, Bruce Muscolino wrote:

> Please, can someone tell me why in he** do any of us need atomic time  
> precision in our shacks? Just what does it add to the QSO/ To the log?

Well,

I "need" mine for all the same reasons I "need" a DMM.....  
or a FT1000MP..... or a nice antenna and etc.

It's nice to know what time it really is without having  
to listen to WWV or call time or go out on the internet  
for one of those clock setting programs and etc. It makes  
my life easier and me lazier!



And for those of us who chase DX or play in contests it helps get qsl cards returned if we have the "right" time logged.

Do we "NEED" them.....maybe not. But do we REALLY "NEED" any of the toys we have?

: -)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Fri, 20 Aug 1999 09:52:34 -0700  
From: "Radman" <radman@best.com>  
To: <kory@avatar.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48066] Re: Where to find some MRF904  
Message-ID: <199908201650.JAA18869@proxy4.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Kory,

Call Quality RF Services at 1-800-327-9767.  
850 Parkway Street, Jupiter, Florida 33477  
alternate: 561-747-4998, Fax 561-744-4618, web:  
[www.qrf.com](http://www.qrf.com)

They have MRF904s at \$4.00 ea with **no** minimum.

Std disclaimer :-))

GL es 72,

Conrad - NN6CW

*****

From: Kory Hamzeh <kory@avatar.com>

Subject: OT: Where to find some MRF904  
Date: Thursday, August 19, 1999 2:13 PM

I wanted to try replacing Q7 on my NC20 with an MRF904 but  
can't seem to  
find any low quantity sources. If anyone can point me to  
some sources, I'd  
really appreciate it.

Kory  
AC6RN

-----  
Date: Fri, 20 Aug 1999 09:56:48 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48067] Re: Solar Update 18Aug  
Message-ID: <Pine.GS0.4.10.9908200952210.21700-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 20 Aug 1999, Steven Weber wrote:

>  
> Boy, 01' Sol's been doing a number on us this cycle, hope it settles  
> down and lets us have some serious (and consistant) propagation soon!  
>

I seem to remember from "Cycles Past" that as the sun gets more  
active the higher bands get better and the low bands get worse.

Right now we seem to be sitting on the edge.....picking up lots  
of noise on the low bands and the high bands are not quite up  
to the level we want yet!

It's kinda like those atomic clocks.....we might not "NEED" better  
propagation on the high bands but it sure would be FUN!

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 20 Aug 1999 12:58:52 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48068] RE: ARCTIME: GROUP BUY UPDATE #3  
Message-ID: <NBBBJDEEIFDDANGEGHLBEEDFGKAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Bruce... the simple answer is: we don't. The complete answer is one that brings to account some human psychology. Why do we ever need a digital readout? As long as we have SOMETHING-for example: an xtal calibrator-to prevent band-edge problems, there is otherwise little need for much calibration. Yet look around... digitally accurate to 100 Hz or better abound.

Another example a little closer to home: look at cameras. I have found myself embarrassed many times looking at "Instamatic" pictures that were WONDERFUL. Why do I need my F4-S IF a cheapo "Instamatic" can do such a nice job?

The answer is that I believe I can do a better job with my Nikon. And it is perceived that higher accuracy is 'doing a better job'. Is it? Probably not. Is it possible that obsessive-compulsive types (such as I admit I am) FEEL like they must know as much about their frequency as is reasonable-and sometimes even: unreasonable. I have a Rhubidium Frequency Standard (not set up yet-but was NIB/RFNE so it ought to be OK.) Do I NEED it? Nah. I'm not doing NIST-traceable calibrations for people. But do I perceive it as better than having some 'ordinary' frequency counter to let me know what frequency is what? You bet!

Why? Because, for me, it is fun to fool around with stuff like that. But also because that ole obsessive-compulsive self tends to rear his ugly head at interesting moments. Having a digital readout does NOT make me feel better than someone who doesn't have one. The whole thing is about answering an inner need for order in my world-and better precision is one of those forms of order.

P.S. Would I modify IN ANY WAY one of my precious analog Boat Anchors to add digital readout? No Way!!! Not necessarily true for non-aged/current model QRP rigs. I haven't done so... but probably would if there was a reason.

-----  
Date: Fri, 20 Aug 1999 10:22:12 -0700  
From: Gary L Surrency <gsurrency@juno.com>  
To: radman@best.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [48069] Re: Where to find some MRF904  
Message-ID: <19990820.102213.-4106779.0.gsurrency@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Whoa!

Tech America has all of them you want for \$2.79 up to 10 units, \$2.65 for 10-99.

1-800-877-0072

Pays to shop around guys. (but tnx anyway, Conrad).

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

On Fri, 20 Aug 1999 09:52:34 -0700 "Radman" <radman@best.com> writes:

> Hi Kory,  
>  
> Call Quality RF Services at 1-800-327-9767.  
> 850 Parkway Street, Jupiter, Florida 33477  
> alternate: 561-747-4998, Fax 561-744-4618, web:  
> www.qrf.com  
>  
> They have MRF904s at \$4.00 ea with **no** minimum.  
>  
> Std disclaimer :-))  
>  
> GL es 72,  
>  
> Conrad - NN6CW  
>  
> *****

> From: Kory Hamzeh <kory@avatar.com>  
> Subject: OT: Where to find some MRF904  
> Date: Thursday, August 19, 1999 2:13 PM  
>  
> I wanted to try replacing Q7 on my NC20 with an MRF904 but  
> can't seem to  
> find any low quantity sources. If anyone can point me to  
> some sources, I'd  
> really appreciate it.  
>  
> Kory  
> AC6RN  
>

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Fri, 20 Aug 1999 10:46:00 -0700  
From: Bruce Grubbs <bog@flagstaff.az.us>  
To: w6toy@erols.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48070] Re: ARCTIME: GROUP BUY UPDATE #3  
Message-ID: <3.0.5.32.19990820104600.009acdb0@mail.infomagic.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

It's a hobby. We don't NEED any of it. I don't NEED my K2, or my Sierra, or my SST, or my backpacking gear, or my cross country skis. But I sure enjoy using all of it!

72

Bruce N7CEE

---

Date: Fri, 20 Aug 1999 11:49:27 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@lehigh.edu, CQCList@cqc.org  
Subject: [48071] QSO Party This Sunday  
Message-ID: <199908201749.LAA28629@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Content-Transfer-Encoding: 7BIT

Just a reminder-- our annual Summer QSO Party is this Sunday, and I hope to hear you on the air. It has a couple of "wrinkles" to make it interesting, and is always a lot of fun. The wrinkles are that SSB contacts are allowed, and operators' first initials are multipliers!

Info follows....

73

Marshall Emm, N1FN  
for CQC

Colorado QRP Club announces the 1999 CQC Summer QSO Party

Date/Time: Sunday, August 22, 1998 1800 UTC to 2359 UTC

Exchange: RS(T), State/Province/Country, First Name, and  
Member # if CQC member, power output if not  
ie: 579 CO Jim NR 04

Suggested frequencies

CW 1825, 3560, 3710, 7040, 7110, 14060, 21060,  
21110, 28060, 28110

SSB 1910, 3985, 7285, 14285, 21385, 28385

No contacts on 30, 18 and 12 meters allowed

Classes: Single Band, Multi-band, portable  
(all single operator only)

QSO Points:

CW- CQC member 6 pts, non-member 4 pts

SSB- CQC member 3 pts, non-member 2 pts

Multiplier: States/Provinces/Countries worked.

The same station may be worked on different bands  
for additional QSO points and multipliers. Contacts on  
the same band using a different mode counts for QSO  
points, but not as an additional multiplier

Names: Total of first names from Name sheet. One first name per letter of  
the alphabet. Name must be your commonly used name.

Score: Total Score = QSO Points x Multipliers x Names

*Bonus points for working Club Station W0CQC - Add 1000 points to your  
FINAL score for working W0CQC

Power: Stations must use 5 watts or less output, CW or SSB. There are no  
power multipliers.

Awards: To Be Determined, Highest Score in each class

Submit log (postmarked within 30 days of contest end) showing:  
Band, mode, time UTC, station called, RST rec'd, SPC rec'd,  
Name rec'd, Memb.# rec'd (or power out if not CQC member,  
multiplier, QSO points. Include a score recap line or sheet

Send paper logs to:

Colorado QRP Club; Box 371883; Denver, CO 80237-1883

Electronic logs must be sent in ASCII Text format to  
contest@cqc.org

For sample Log, and Name sheets, send SASE and one unit first class  
postage to:

Jim-KG0PP-CQC Contest; P.O.Box 31575; Aurora, CO 80041-0575

-----  
Date: Fri, 20 Aug 1999 11:06:16 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <w6toy@erols.com>  
Cc: <qrp-1@lehigh.edu>  
Subject: [48072] Why do we need atomic time accuracy???  
Message-ID: <01beeb36\$b2ab88a0\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Why not??

72, Doug, KI6DS

-----  
Date: Fri, 20 Aug 1999 13:03:33 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [48073] RE: Why do we need atomic time accuracy???  
Message-ID: <000001beeb36\$51f3dc10\$ef5d6f81@uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

It's a geek thing, if you're not a geek there's no way you'll understand.

Kevin, WB5RUE

```
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Hendricks, Doug
> Sent: Friday, August 20, 1999 1:06 PM
> To: Low Power Amateur Radio Discussion
> Subject: Why do we need atomic time accuracy???
>
>
> Why not??
>
> 72, Doug, KI6DS
>
>
```

```
-----
Date: Fri, 20 Aug 1999 10:59:40 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [48074] RE: ARCTIME: GROUP BUY UPDATE #3
Message-ID: <NDBBLJFDGLBGFJBOGNELKEKHCAAA.mgipe@reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
```

Bruce asks:

```
> Please, can someone tell me why ... do any of us need atomic time
> precision in our shacks? Just what does it add to the QS0? To the log?
```

Well, to be precise, I can only think of a couple of reasons for needing the precision of an atomic clock: externally synchronized spread spectrum communications, and some forms of coherent CW. However, if your intended question was really, "Why do we need the accuracy of an atomic clock?", I can think of a whole passel of reasons.

In fact, the clock products under discussion here do not have anything near atomic precision, which I would quantify as somewhere around one part in  $10^{-9}$  to one part in  $10^{-12}$ . The manual for the Radio Shack clock says that it is usually good to a tenth of a second, one part in  $10^{-1}$ .



The advantage of these WWVB synchronized clocks is their long term accuracy and automatic setting.

For my normal, everyday ham QSO activities, I need to know UTC time and date to within about two minutes. If I want to get a QSL from that DXpedition that I worked using 1 watt, my QSL better state the time of QSO in UTC to that accuracy. When I play fox in the QRP-L foxhunt, I better know what time I start and stop, so I don't disappoint the hunters. When I have a sked to try a weak signal contact, I want both of us to know exactly when to start looking under the noise for each other, so we don't ruin our ears and our patience listening or transmitting at the wrong time. I'm sure that all of us on QRP-L can add our own reasons to this list.

I hear you asking, "What's wrong with a regular clock?" Regular clocks don't keep very good time over the long term, and many of them completely lose it when the power goes out. How many blinking digital clocks do you have in your house after every power outage? Wouldn't it be nice if all the VCRs had WWVB receivers to reset the clock after losing power? (patent pending, all rights reserved) For years, I used an MFJ digital UTC clock in my station. I would set it to WWV, and a few weeks later, it would have drifted off by several minutes. It was difficult to set the time on this clock and I could never trust it without first checking WWV. I have since replaced it with a K1MG Digital Clock Counter which keeps much better time. It would still be nice to have a clock that automatically checked itself against an official standard, so I wouldn't have to check it manually myself.

Besides, what's more appropriate for a radio station than a radio-disciplined clock?

Mike Gipe K1MG  
aka:  
mgipe@reliablemeters.com  
mgipe@blueskyengineering.com  
K1MG@amsat.org  
K1MG@arrl.net  
mgipe@alum.MIT.EDU  
K1MG@qsl.net

-----  
Date: Fri, 20 Aug 1999 11:20:00 -0700

From: Bill Jones <kd7s@psnw.com>  
To: qrp-1@lehigh.edu  
Subject: [48075] Clock Accuracy  
Message-ID: <37BD9C50.74478FAE@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

It drive me nuts if my digital wristwatch is more than 3-4 seconds off.  
I set it with WWV every few days. At the other end of the scale is my  
wife. When you ask her what time it is as often as not she will  
respond, "Friday."

--

=====  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
=====

-----  
Date: Fri, 20 Aug 1999 12:23:45 -0600  
From: Rod Cerkoney <rcw@frii.com>  
To: mgipe@reliablemeters.com, Low Power Amateur Radio Discussion <qrp-  
1@Lehigh.EDU>  
Subject: [48076] Re: ARCTIME: GROUP BUY UPDATE #3  
Message-ID: <19990820122345.62268@frii.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Folks:

On Fri, Aug 20, 1999 at 10:59:40AM -0700, Michael A. Gipe wrote:

....

> time I start and stop, so I don't disappoint the hunters. When I have a  
> sked to try a weak signal contact, I want both of us to know exactly when  
> to start looking under the noise for each other, so we don't ruin our ears  
>

Now here is an interesting notion. Knowing the time rather precisely,  
weak sig work protocol gets interesting. Station A calls long CQ  
on even minutes, Station B calls back on odd minutes. Much better change  
to "detect" each other.

--

72/3 Rod, N0RC  
da di dah

-----  
Date: Fri, 20 Aug 1999 11:44:53 -0700  
From: Jim <w7ls@blarg.net>  
To: qrp-1@lehigh.edu  
Subject: [48077] Mike Gipe! Please e-mail me  
Message-ID: <37BDA225.61FF93C6@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

HI, Mike. I sent you an e-mail to your QRZ.com listed address but got no response. Please e-mail me privately. Thanks. BTW, I'll be out till Monday so won't be able to respond till then. 73 de Jim, W7LS

-----  
Date: Fri, 20 Aug 1999 14:40:29 -0400  
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48078] Re: ARCTIME: GROUP BUY UPDATE #3  
Message-ID: <37BDA11D.AB1B5524@eng14.rochny.uspra.abb.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Because it's there!

73,  
tom, kv2x

-----  
Date: Fri, 20 Aug 1999 13:48:03 -0500  
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [48079] RE: Clock Accuracy  
Message-ID: <0000001beeb3c\$88f8e290\$ef5d6f81@uthscsa.edu>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I even went so far as to open my watch and make little adjustments to the trimmer cap. It took me about a month to get it right. Now my watch gains about a second every week or so. It's temperature sensitive. It gains during the Summer and loses during the Winter.

Kevin, WB5RUE

I am Voltohm of Borg, resistance is E/I, power is EI, you will be attenuated!

The more humble a man is before God, the more he will be exalted; the more humble he is before man, the more he will get rode roughshod.

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU  
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Bill Jones  
> Sent: Friday, August 20, 1999 1:20 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Clock Accuracy  
>  
>  
> It drive me nuts if my digital wristwatch is more than 3-4  
> seconds off.  
> I set it with WWV every few days. At the other end of the scale is my  
> wife. When you ask her what time it is as often as not she will  
> respond, "Friday."  
>  
> --  
> =====  
> Bill Jones - KD7S <><  
> Sanger, California  
> <http://www.psnw.com/~kd7s>  
> =====  
>  
>  
>

-----  
Date: Fri, 20 Aug 1999 14:57:26 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <kd7s@psnw.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48080] Re: Clock Accuracy  
Message-ID: <001701beeb3d\$db8c73e0\$9001a8c0@mikey.wn.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Old Proverb (appropriately modified...)

A man with only a watch knows what time it is.

A man with access to WWV is never sure.

>It drive me nuts if my digital wristwatch is more than 3-4 seconds off.  
>I set it with WWV every few days. At the other end of the scale is my  
>wife. When you ask her what time it is as often as not she will  
>respond, "Friday."  
>  
>Bill Jones - KD7S <><

-----  
Date: Fri, 20 Aug 1999 14:55:24 +0100  
From: "Bob Duckworth" <wb4mnf@atl.org>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48081] Re: Why do we need atomic time accuracy???  
Message-ID: <199908201902.PAA08743@hat-trick.atl.org>

Didn't you guys pay attention in school?

Until we had accurate time keeping, navigation was  
a seat of the pants affair. You can't tell where you are  
unless you know what day it is and how much time  
has passed since the day started.

Better time leads to better navigation. Better navigation  
leads to better surveys. Better surveys and the ships don't  
wreck. and nations fight less over little strips of land.

It should not be a surprise that the USNO  
is the official source of 'when the day starts' while the NIST  
is only concerned with time intervals (how long is a second).

Without an accurate standard second, digital telephone systems could not be synchronized, oil companies would spend a lot more money drilling and your opthamologist wouldn't have that fancy cornea shaping laser.

Lots of good info on time is available on the web via NIST and USNO web sites. IMHO the USNO sight does a much better job of explaining time.

I'll rant a bit more. Those fancy little GPS radios would not work without accurate time and hundreds of years of refining surveys as timekeeping improved. GPS works because we know when the satellite is where. The earlier transit satellites were good to within 10 feet or so after weeks of averaging. I remember, I camped out on a mountaintop in Fjij for 3 weeks to tie two surveys together. Today, one can know to feet accuracy in minutes.

If anyone is really interested in all this after visiting the USNO and NIST sites, pick up an introductory text on geodesy/geodetics at your local college book store. All the math that makes GPS work will be there. Interestingly, gravity is as big a deal as time.

Ever wonder how submarines navigate?

-bob

-----  
| From: Kevin Muenzler WB5RUE <wb5rue@stic.net>  
| To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
| Subject: RE: Why do we need atomic time accuracy???  
| Date: Friday, August 20, 1999 7:03 PM  
|  
| It's a geek thing, if you're not a geek there's no way you'll understand.  
|  
| Kevin, WB5RUE  
|  
|  
| > -----Original Message-----  
| > From: owner-qrp-l@Lehigh.EDU  
| > [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
| > Hendricks, Doug  
| > Sent: Friday, August 20, 1999 1:06 PM  
| > To: Low Power Amateur Radio Discussion  
| > Subject: Why do we need atomic time accuracy???  
| >  
| >

| > Why not??  
| >  
| > 72, Doug, KI6DS  
| >  
| >

-----  
Date: Fri, 20 Aug 1999 14:03:43 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: N10DL@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48082] Re: LONGWIRE Ant Gone  
Message-ID: <37BDA68F.D710E1EB@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Have you thought about splicing the two pieces back together and putting the antenna back up? Works for me . . . ;^)

72/73, George                    AMA 98452                    R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

N10DL@aol.com wrote:

>  
> We had a terrific lightning and thunder storm here the other night, and  
> heavy rain.(New Hampshire) Pulled out of the garage the next morning and  
> saw a wire hanging across the driveway. Got out and discovered that my  
> End fed long wurd antenna for 40 meters was now in two pieces...I heard  
> in the past that the Antennas West company was out of business. What to  
> do now.

-----  
Date: Fri, 20 Aug 1999 14:16:39 -0500  
From: Karl.Kanalz@optelinc.com  
To: wb4mnf@atl.org  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48083] Re: Why do we need atomic time accuracy???  
Message-ID: <862567D3.006A674B.00@hdqsmtp01.optelinc.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii

Content-Disposition: inline

I believe they use an inertial navigation system when under water, and then re-sync it to GPS when they surface.

Karl K - W8TIF  
McKinney, Texas

"Bob Duckworth" <wb4mnf@atl.org> on 08/20/99 08:55:24 AM

Please respond to wb4mnf@atl.org

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: Re: Why do we need atomic time accuracy???

Ever wonder how submarines navigate?

-bob

-----  
Date: Fri, 20 Aug 1999 12:28:27 -0700  
From: Wayne Burdick <n6kr@elecraft.com>  
To: mhogan@email.msn.com  
Cc: qrp-l@lehigh.edu, qrpbob@datatamers.com  
Subject: [48084] SST: shifting the VX0 up; narrow filtering  
Message-ID: <v03102805b3e3570919fe@[206.169.228.210]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Mark,



You can shift the VX0 frequency of the SST up in two ways. The easiest way is to use the supplied MV209 varactor diode at D4 rather than the MVAM108. However, if you're already using the MV209, try replacing RFC3 with a slightly smaller choke.

If you end up with a higher end point but a narrower range as a result of the above, you can regain some range by changing R5 to a smaller value, perhaps 22 K. (This is experimental, however.)

As for received signal sound: The 38-special has a very wide filter due to its high I.F. (12 MHz as I recall, and probably something like 1.5 kHz wide at -3dB). This does sound good -- until you have adjacent-channel QRM. The SST has a *very* narrow crystal filter (200-400 Hz at -3dB) that is great for eliminating QRM but is harder on the ears because of the constrained audio range. This is true of any receiver with a narrow filter; a narrow band of audio frequencies is more fatiguing to the human ear.

But this is a good tradeoff since the narrower filter also increases signal-to-noise ratio, making weak signals easier to copy, especially in the presence of noise. (This is vital on 40m if you're trying to copy stations in a QRP net about the time that your local power lines start humming.) To quantify this, the signal-to-noise ratio of a 300 Hz filter will be about 14 dB better than that of a 1.5 kHz filter, assuming the information bandwidth is well below 300 Hz (true for most CW signals!). The math:  $SN_{improvement} = 20 \log(1500/300) = 13.98 \text{ dB}$ .

On the other hand you may have a problem with your SST receiver: it should never sound "rough" even with the narrower filter.

73,  
Wayne

* * *

Mark wrote:

My SST runs from 7.0245 - 7.0405. How can I get that lil bugger to go up to 7.042 so I can do the AR-QRP net? I can't find any info in the manual about moving the freq.

-----

Date: Fri, 20 Aug 1999 15:31:49 EDT

From: N10DL@aol.com  
To: QRP-1@lehigh.edu  
Subject: [48085] LONGWIRE  
Message-ID: <f4b10554.24ef0725@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Thanks to all whom have responded to my post. I can't believe that I did not think of this idea. The antenna was(is) a good one and I will try to reattach it this weekend.

Maybe I was hit by lightning and did not know it. Now...to oget it back up when my wife is not looking.....

Aron Brown  
N10DL

-----  
Date: Fri, 20 Aug 1999 14:41:51 -0500  
From: Karl.Kanalz@optelinc.com  
To: qrp-1@Lehigh.EDU  
Cc: Bigbob97@aol.com  
Subject: [48086] Surplus Equipment Conversion(s) (Long List)  
Message-ID: <862567D3.006CB5F3.00@hdqsmtp01.optelinc.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I was wrong, in an earlier message when I thought my "CQ" surplus conversion handbook was red and white -- the book is indeed primarily YELLOW as our esteemed colleague mentioned.

I now have my hands on my "Surplus Conversion Handbook", edited by Tom Kneitel, WB2AAI, and published by CQ magazine. First printing was in December 1964, Second printing in May of 1967. This nifty book gives useful information on converting the following equipment to useful amateur radio purposes:

|                                    |         |           |                  |            |         |          |
|------------------------------------|---------|-----------|------------------|------------|---------|----------|
| ARC-1                              | ARC-3   | ARC-4     | ARC-5            | ARC-36     | ARC-49  | ART-13   |
| ATA                                | ATC-1   | BC-191    | BC-224           | BC-312     | BC-314  | BC-342   |
| BC-344                             | BC-348  | BC-375    | BC-453/4/5/7/8/9 |            | BC-603  | BC-604   |
| BC-620                             | BC-624  | BC-625    | BC-659           | BC-669     | BC-683  | BC-684   |
| BC-696                             | BC-779  | BC-794    | BC-942           | BC-946     | BC-1004 | BC-1068A |
| HQ-120                             | HQ-129X | PE-73/103 | R10A             | R11A/ARC-5 |         |          |
| R22/23/24/25/27/28/112/148 (ARC-5) |         |           |                  | R129/U     | RAT     | RAV      |

RAX-1     RBD     RT-18/ARC-1     SCR-177/188/193  
SCR-274N/399/499/508/509/510/522/528/542/608/609/610/628  
SP-200     SP-210     SP-400     T15/16/17/18/19/20/21/22-ARC-5  
T47/ART-13     Type "K"

In my orange-covered "Surplus Radio Conversion Manual", Volume 1  
printed in 1948, the following equipment is covered:

BC-221     BC-342     BC-312     BC-348     BC-412     BC-645     BC-946  
SCR-274 (453A Series) Receivers     SCR-274 (457A Series) transmitters  
TBY     PE-103A     BC-1068A/1161A Receiver

In the green-covered "Surplus Radio Conversion Manual", Volume 2,  
also printed in 1948, the following equipment is covered:

BC-454 or ARC-5 receivers,     APS-13     BC-457 (ARC-5 transmitters)  
ARC-5 VHF Transmitter/Receiver     GO-9/TBW transmitter     BC-357  
BC-946B     BC-375     Model LM Freq. Meter     TA-12B     ART-13     AVT-112A  
AM-26     Diagram only of ARB receiver

I'm sure that after reading through the above list of military gear, those  
of you who remember it are probably wiping tears from your eyes.

If you need information about equipment in the above lists, I'll be pleased  
to photocopy it for you (for free) and mail it to you (also for free), but  
you  
have to keep your requests reasonable AND send me your snail mailing  
address in your E-mail message.

Regards,

Karl K - W8TIF  
(A surplus nut of the first water!)  
McKinney, Texas

-----  
Date: Fri, 20 Aug 1999 14:56:40 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48087] Does this work? (Test).  
Message-ID: <000701beeb46\$3caea870\$bee498cd@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Gang,

Hope this works! Friend called and asked if I'd help with some computer work on an oil well, and I'm using a microwave link to Chevron's main office and dialing out from there. Hello world!! Testing, 1234....this is only a test! If this would have been an actual emergency, .... :^).

72/73,

----

Randy Jouett, AB5NI

-----  
Date: Fri, 20 Aug 1999 13:29:00 -0700 (PDT)  
From: Jim Durkin <jimdurkin@yahoo.com>  
To: PUNISHER3@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48088] Re: No Radial Vertical Antenna Question...  
Message-ID: <19990820202900.11833.rocketmail@web305.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Is there any consensus on what are the good multiband verticals? Or is there some place to start to do this kind of research? Saw good comments about GAP antennas but have also heard the R-7000 highly recommended. Is the data compiled some place?

Tnx

Jim KT4A

--- PUNISHER3@aol.com wrote:

> Hi Bruce,  
> I don't have the R-7000 but I do have the R-7  
> (older version). I too was  
> alittle confused about this antenna since it doesn't  
> have any radials. I  
> tried putting radials on it a few times, but nothing  
> good ever came out of  
> it. It got quieter, but the performance went down  
> with the noise.  
> A couple months ago, I went to an ARRL

> convention with seminars and  
> everything. One of them that I went to was about  
> antennas. Afterwards, I  
> talked to the guy and he said that the R-7 wasn't  
> truly a vertical antenna.  
> There was some characteristic about it (which I  
> can't remember) that made it  
> work so good. Also, he said that it is very very  
> dependent on ground and  
> can't be any higher than 10 ft high, or the  
> performance will go down.  
>  
> Heres a few things I've found with my antenna -  
> DO - Put it on a 10 foot mast, which is grounded  
>  
> DON'T - Put it very close to your house or your  
> neighbors house. This  
> antenna gets into EVERYTHING if next to any  
> appliances or house wiring will  
> cause havoc  
>  
> I am very surprised with this antenna. It works  
> very very well on the  
> lower bands (30 & 40). I have a 40 meter delta loop  
> up 70 feet and I  
> regularly compare the antennas. The R-7 keeps up  
> very good along side the  
> loop and sometimes I get a few more S- units from  
> it. I think If I had 2  
> delta loops 90 degrees apart though. I would do  
> better. right now, the loop  
> is broad side north and south so I get west coast  
> very good, but east coast  
> doesn't come in to well. That's where the vertical  
> comes in!  
> Over-all its pretty good, but you have to be  
> careful with the RF. Even  
> with torriods, ferrite beads and low-pass filters,  
> somehow the vertical seems  
> to wiggle its way in. You may want to tell this to  
> the person that you are  
> helping with, who has the antenna.  
>  
> Sorry if I've been blabbing on... Its late over  
> here and I have nothing  
> better to do :)  
> 73,  
> Ben

> NW7DX Seattle, Washington  
>  
>  
>  
> In a message dated 08/19/1999 9:46:44 PM Pacific  
> Daylight Time, kl7h@arrl.net  
> writes:  
>  
> << Hi Gang...  
>  
> I have been asked to help out some new hams in  
> the area that think  
> they are having antenna problems... Once I check  
> it tomorrow, I will know  
> if there are any obvious opens shorts or high SWR  
> problems... Now my  
> question...  
>  
> It is my understanding that they are running  
> the R-7000 no radial  
> antenna... What is the collective wisdom on this  
> antenna and type of  
> antenna ??? I admit to being skeptical of any  
> vertical without radials save  
> for a vertical dipole... Can this antenna be  
> improved with the addition of  
> radials ??? Do we have any do's and don'ts from any  
> on the list using this  
> type of antenna ???  
>  
> Thanks in advance for any input on this  
> subject... Trying to get my  
> ducks in a row before tomorrow night... Take care  
> and have fun...  
>  
> 72 / 73 / oo's - Bruce - KL7H  
> Fairbanks, Alaska  
> >>  
>

---

Do You Yahoo!?  
Bid and sell for free at <http://auctions.yahoo.com>

---

Date: Fri, 20 Aug 1999 16:39:55 EDT

From: charles k brown <n4so@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [48089] MRF904 / J309 from TechAmerica  
Message-ID: <19990820.203609.4503.2.n4so@juno.com>

TechAmerica  
1 800 877- 0072  
\$4.00 minimum postage/handling

TechAmerica requires a part cross reference number//

|         | part number |                  |
|---------|-------------|------------------|
| MRF-904 | 900-5581    | cost is 2.69     |
| J309    | 900-5492    | cost is 40 cents |

I just made an order for 2 - J309's and one MRF-904  
and they looked up the cross reference numbers. Total  
bill 7.49...

Ken Brown  
qrp-1 622/ nr Mobile, AL  
NC-20

---

Get the Internet just the way you want it.  
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Fri, 20 Aug 1999 16:56:42 EDT  
From: n5ib@juno.com  
To: qrp-1@Lehigh.edu  
Subject: [48090] Q-dope substitute - an update  
Message-ID: <19990820.154657.4775.3.N5IB@juno.com>

We may have another winner...

Midwest Products' "Aero Gloss" hot fuel proof, #65-1 Gloss Clear  
sold for use on gas-engine models planes/boats/etc.  
less than \$2 for a 1 oz bottle at most hobby or craft stores

35 turns of #26 on a T50-2 at 10 MHz  
uncoated: L = 6.33 uH    Q = 240 +/- 4  
coated:        L= 6.36        Q = 230 +/- 4

I literally dipped the whole coil in the bottle then gently shook off the

gross excess. The above numbers after only about an hour of curing time. Dries crystal clear with good mechanical holding properties. Doesn't appear to attack either the wire enamel or the core finish. It's not quite as thick and viscous as nail polish. Probably any brand of "hot fuel proof model airplane clear dope" will work. Check the label - this one contains methyl ethyl ketone and toluol.

The label also says the ingredients are known, to the State of California, to cause birth defects and other reproductive harm. Hope the good Californians pass the word along.....

As you recall, Wet 'N Wild clear nail polish was reported (by another list member) to work quite well. The advantage to the stuff noted above is you can buy it at a (insert tool-man grunt here) guy's store (hobby shop) instead of at the cosmetic counter. Well, OK, so I did buy mine at Hobby Lobby where it was right next to the silk flowers and behind the needlepoint supplies.....

a very Hi-Q 72,  
Jim N5IB

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Sat, 21 Aug 1999 07:06:03 +1000  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48091] Re: Does this work? (Test).  
Message-ID: <37BDC33B.EC9AD121@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Randy Jouett wrote:

> ...this is only a test! If this would have been an  
> actual emergency, .... :^).

Randy, I would have come running and been there for you son<g>

73's



Ian Purdie  
VK2TIP "I'll give you the TIP mate"  
Budgewoi N.S.W. Australia  
Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)  
QRP-L member #1978.  
URL - <http://www.integritynet.com.au/~purdic/>  
URL - <http://www.qsl.net/vk2tip/>  
"Three out of five Web experts agree that frames are the work of the devil and represent all that is evil about the Web. The remaining two experts are agnostic and think that frames are just a stupid idea" -

-----  
Date: Fri, 20 Aug 1999 17:11:52 -0400  
From: "Jerry Henshaw" <jhenshaw@bellsouth.net>  
To: qrp-l@lehigh.edu  
Subject: [48092] Re: ARCTIME: GROUP BUY UPDATE #3  
Message-ID: <199908202004.QAA13272@websmtp1.bellsouth.bigfoot.com>

Bruce,

Your are absolutely right in your observation in that no one really NEEDS to have the exact atomic time in their shack. No one really NEEDS to have 4 or 5 QRP rigs either. I guess some of us just WANT to have an accurate clock .... for the fun of it. I have 5 QRP rigs and just finished building a DSW-40. Do I need yet another rig .... no way! Just ask my XYL! However, I really get a kick out of building kits and hombrewing circuits.... its my hobby.

The really neat thing about Ham Radio is that it lets each of us practice our wonderful hobby as he or she sees fit. If you and thousands of others don't see the need for an atomic clock.... don't buy one. No problem you simply are not a customer in this case.

I would wager you may have been interested in and probably have participated in other "group buys" such as NORCAL rigs, capacitors, and resistors. So don't be too harsh on the participants in THIS group buy.

You are still correct in that none of us really need to know the correct time to 1 second in a gazillion years. Heck, none of us will live long enough to

confirm if our clocks are within specifications.

72's and keep the solder fumes aloft,

Jerry Henshaw  
KR5L/4

-----  
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<http://webmail.bellsouth.net>  
-----

-----  
Date: Fri, 20 Aug 1999 05:53:08 -0500  
From: Tim Ahrens <tahrens@hilconet.com>  
To: wb4mnf@atl.org  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48093] Re: Why do we need atomic time accuracy???  
Message-ID: <37BD3394.D8BD3C19@hilconet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

They follow the lines painted on the bottom of the ocean. They were put there many years ago by the National Geographic Society. I've got a copy of their paper map.

;-)

Tim W5FN

Bob Duckworth wrote:

>  
>  
> Ever wonder how submarines navigate?  
>  
> -bob

-----  
Date: Fri, 20 Aug 1999 17:30:00 -0400

From: Bruce Muscolino <w6toy@erols.com>  
To: jhenshaw@bellsouth.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48094] Re: ARCTIME: GROUP BUY UPDATE #3  
Message-ID: <37BDC8D8.206F@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jerry, and the time tekkies,

You bring up some very good points along with some of your brethern. I hope you won't mind if I use your message as the jumping off point.

By far the largest reason I saw was "because it's there". That is a valid reason if you can afford it. Personally I have never been that wrapped up in time.

I saw a number of other reasons from Navigation, but most real time navigation is not dependent on time like the old sextants were. The old Navy Navigation Satellite System, which preceded GPS by about 20 years, carried its own time signals. GPS probably depends on received time to tell it where it is. No one depends on external timing signals to navigate any more. (Electronic navigation is a problem where if you know where you are the system will tell you where you are, thin about it.)

And, there is yours, the desire to have something new. The same reason you buy an NC40, an SWL40, and a DSW40 and have them at the same time. At the risk of annoying the vendors, do any of them do anything MUCH different? I'm sorry, I see radio as a hobby intended to work other stations. Technology is very nice, and God knows I've made my living with it for most of my life, but I like to think I use only those parts I really need. An accurate clock helps, an ACCURATE clock is a waste. DX stations use the same assortment of time pieces you do. They are neither more nor less accurate than you. Any QSL card is searched for plus and minus several minutes of time before discarding it!

73

-----  
Date: Fri, 20 Aug 1999 14:56:00 -0700  
From: Allan G Taylor <k7gt@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [48095] Re: Milliwatts coast-to-coast  
Message-ID: <37BDCEF0.64C7@arrl.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Chris N3XRV, said the following in a recent post.

And for the curious, the "power house" at this end is an HW9 with  
twinlead  
folded dipole laying on my wet roof (yes it did rain in the east:).  
K7GT  
was running a vertical. Certainly no record (only 150,000 miles/watt)  
but  
it did drop my CA budget by 30mW, so now I can "crank" it up for HI,  
AK, ID...

I am very glad to add my 'WOW' over the net as I did on the air  
yesterday, but I should emphasize that the QSO was NOT using my  
trap vertical. I was not at my home station but rather was operating  
from the club station here at work. The club's gear consists of a  
recently-upgraded OmniVI (to VI+) and an old but very worthy KLM  
KT-34XA yagi at 55 ft. I was running the OmniVI at full-bore under  
very poor band condx. At least it will now crank down to mW level (after  
the upgrade fixed an ALC problem) if I feel the mood! The KLM yagi,  
in spite of being up in the sky for at least 13 years I know of without  
maintenance, gets credit for this one.

Chris, when you get my card, it will give the grid loc as CM97dq, which  
applies for the club station. I doubt it will change the distance  
much, though. CONGRATS!!

GT

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|                               |              |                                                               |
|-------------------------------|--------------|---------------------------------------------------------------|
|                               |              |                                                               |
|                               | /            |                                                               |
|                               | /            |                                                               |
| Allan Taylor K7GT             | /Z  \        | FISTS 3222 ARS 228                                            |
| k7gt@arrl.net                 | /  /599  \   | DXCC and WAS 40/cw                                            |
| Pleasanton CA CM97aq          | /_ /____ __\ | <a href="http://www.qsl.net/k7gt">http://www.qsl.net/k7gt</a> |
| ...QRO, QRP, or barefoot..... | [\-----/     |                                                               |

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Date: Fri, 20 Aug 1999 16:06:50 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>

Subject: [48096] Latest:40 mtr fox hunt Teams
Message-ID: <Pine.LNX.3.95.990820155942.6398A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...now it can be told.....the "Raiders of the Lost RF" take this opportunity to reveal the Team's secret weapon....the BIG GUN of Sacramento has joined us and she's HUNGRY for foxii!!.....heh,heh,heh....reconnaissance flights by the Raiders have already revealed the foxii, upon hearing this news, are digging their holes deeper to record depths!....won't do 'em any good though with Mary's VERY VERY high tower....gonna' be a fun season!

\*\*\*\*\*

Blue J's:	Houston Hounds:
John - VE3JC	Bill - K5ZTY
Jim - VE6JWA	Bill - W5SB
Jeff - VA3JFF	Terry - KQ5U
Jon - TF3JA	Dan - KK5LD

Mangy Mushers:	Oklahoma Torenadoes:
Pete - NV4V	Cliff - AB5UA
Paul - VE7CQK	Royce - KE5TC
Bruce - N7RR	Don - K5AAR
Ed - K1VP	Gody - AC6UV

Raiders of the Lost RF:	Swamp Rats:
Fred - VE3FAL	N1TP - Tom
Earl - VE6EWM	KF4KSM - Mac
Bruce - VE5RC	W2XN - Fred
NA6E - Mary	AJ4Y - Paul

SWORDS:	Team Cramp.com:
Rick - WB6JBM	K10J - OJ
Andy - KC8KFI	K5VUU - George
Doc - K0EVZ	K5NZ - Mike
Dan - N8IE	NM5M - Eric

Team ScQRPion:	Underdogs:
Floyd - NQ7X	Roy - AB7CE
Gary - AB7MY	Dan - N4ROA
Conrad - WS4S	Brian - KB9BVN
Bob - KI7MN	Ron - KI0II

Western Wranglers:	20th Maine Bengal Bears:
Randy - K7TQ	Jim - N5IB
Chuck - K7Q0(new kid on the block?:-)	Butch - N5SMQ
Steve - WW7Y	Bill - NT1R

Ron - KU7Y

Joel - KE1LA

...12 Teams and counting....who's next??.....lots of time left to form and enter a Team, so just let me know via e-mail please.....this is shaping up to be another good fun year for the 40 mtr Fox Hunt Team competition!...please let me know if I have any errors in the list...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

Date: Fri, 20 Aug 1999 15:11:16 -0700
From: David Kidd <ka7ozo@pacifier.com>
To: qrp-l@Lehigh.EDU
Subject: [48097] MFJ mods & newsletter
Message-ID: <v03007800b3e382419c95@[206.163.5.29]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a 9040 that seems to be needing some work. Some place down the line I heard that there was a newsletter for the MFJ crowd. The last info I was able to get pointed to NA5N who I sent a message to, but am still looking.

The radio has low audio and it can be fixed but might increase the power drain when transmitting....my guru is looking into that right now.

Any other info, mods, or help would be appreciated.

Answers can be sent to me direct at: ka7ozo@pacifier.com

Thanks.

72,

Dave
KA7OZO

Date: Fri, 20 Aug 1999 18:36:14 -0400
From: osier <osier@northnet.org>
To: qrp-l@lehigh.EDU
Subject: [48098] Argo 509 problem....from George , N2JNZ
Message-ID: <37BDD85E.D55509DD@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All!!!!!!

I have a strange problem.....I have a Argo 509 and Astron RS-7 power supply....
antenna is a Isotron 40 up 20 ft in the attic...The antenna tunes quite good but when I
send CW the power supply shuts down!!!!!!...only with 40 and this antenna.....other bands and antennas are fine...maybe a stupid question here but what gives??????????

Any takers.....??????????????????

73s and tnx!!!!

George Osier , N2JNZ

Date: Sat, 21 Aug 1999 08:56:15 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [48099] OT but interesting
Message-ID: <37BDDD0F.978F52FA@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----snip-----

Amazing Web Site o' the Week

The Massachusetts Institute of Technology built a web page linking to 9,000 radio stations around the world. Well over 2,000 of the stations offer live streaming of their signal over the Internet.

----snip----

73's

Ian Purdie

VK2TIP "I'll give you the TIP mate"

Budgewoi N.S.W. Australia

Tel: 61 + 2 + 4399 3228 (2200 - 0800 U.T.C. please.)

QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/>

URL - <http://www.qsl.net/vk2tip/>

"Three out of five Web experts agree that frames are the work of the devil and represent all that is evil about the Web. The remaining two experts are agnostic and think that frames are just a stupid idea" -

Date: Fri, 20 Aug 1999 22:58:45 GMT

From: mwattcpa@earthlink.net (Marty Watt)

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [48100] Re: ARCTIME: GROUP BUY UPDATE #3

Message-ID: <37bedc3f.210628642@mail.earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: quoted-printable

Content-Transfer-Encoding: quoted-printable

On Fri, 20 Aug 1999 12:27:50 -0400, Bruce Muscolino <w6toy@erols.com> =
wrote:

>I have been watching this group buy thing for a while and I will say
>great for all of you. But, I must ask this one simple question - we are
>principally a radio list. We use low powered radios to communicate most
>of the time. Communications are between ourselves and other hams.=20
>Please, can someone tell me why in he\*\* do any of us need atomic time
>precision in our shacks? Just what does it add to the QSO/ To the log?

I need fairly accurate timekeeping for satellite tracking to get =
satellite

QSO's in the log. Same with meteor scatter QSO's.

Admittedly exotic modes, but there is a reason for some of the accuracy requirements ... My clocks (thankfully) are accurate within a second or = two a month, which is fine. I try to reset them monthly. The PC clock gets = reset almost daily.

--

Marty, N5NW

-----=

Memphis, Tennessee

=

<http://home.earthlink.net/~mwattcpa>

End of QRP-L Digest 1554

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